



# Valves for industry, HVAC & water works

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## Heavy duty

2014/68/EU Directive - Risk category I / module A - Nickel-plated CW617N brass body - Chrome-plated brass ball - PTFE seats & gland pack - EPDM o-ring - Full bore - Anti-blowout stem up to 2" - PS: see tables - TS: -10°C/+120°C.



### Female/female



**576 - Red steel lever** (BSP)

**523 - Red butterfly handle** (BSP)

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	40	40	40	40	40	40	32	30	25	16	16	16
576 code	576001	576002	576003	576004	576005	576006	576007	576008	576009	576010	576011	576012
523 code	-	523002	523003	523004	523005	523006	-	-	-	-	-	-

### Male/female



**527 - Red steel lever** (BSP)

**537 - Red butterfly handle** (BSP)

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	40	40	40	40	40	32	30	25
527 code	527002	527003	527004	527005	527006	527007	527008	527009
537 code	537002	537003	537004	537005	537006	-	-	-

### Male/male



**538 - Red steel lever** (BSP)

**548 - Red aluminium butterfly handle** (BSP)

Ø	3/8"	1/2"	3/4"	1"
PS (bar)	40	40	40	40
538 code	538003	538004	538005	538006
548 code	548003	548004	548005	548006

### Female/female



**521 - Black lever or butterfly handle** (NPT)

NPS	1/4"	3/8"	1/2"	3/4"	1"
PS (bar)	40	40	40	40	40
lever code	521002	521003	521004	521005	521006
butterfly handle code	521012	521013	521014	521015	521016

## Dry cleaned for oxygen service

2014/68/EU Directive - Risk category I / module A - Nickel plated CW617N brass body - PTFE seats & gland pack - Full bore - Anti-blowout stem - PS: see tables - TS: -20°C/+120°C - Supplied with caps inside sealed bags up to 1".



### Female/female



**520 - White lever - Female/female** (BSP)

**561 - White butterfly handle - Female/female** (BSP)

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	40	40	40	40	40	32	30	20
520 code	520002	520003	520004	520005	520006	520007	520008	520009
561 code	561002	561003	561004	561005	561006	-	-	-

### Male/male

**50200 - White lever - Male/male** (BSP)

**50201 - White butterfly handle - Male/male** (BSP)

Ø	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	40	40	40	40	32	30	20
50200 code	502003	502004	502005	502006	502007	502008	502009
50201 code	502013	502014	502015	502016	-	-	-

## Gas service

Excluded from 2014/68/EU Directive (article 1, §2.f) - Valve for public gas network XPE 29141- MOP 5 category - CW617N brass body - Chrome-plated brass ball - PTFE seats - NBR o-ring - Full bore - Anti-blowout stem - PS: 5 bar - TS: -5°C/+60°C.



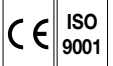
### 620 - Yellow steel lever

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	5	5	5	5	5	5
code	620004	620005	620006	620007	620008	620009

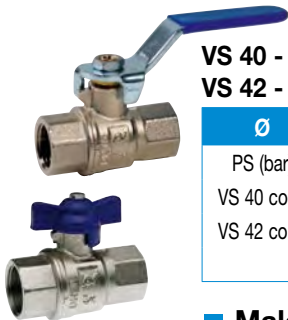
## Compressed air service

COMPRESSED AIR

2014/68/EU Directive - Risk category I / module A - Nickel-plated CW617N brass body - Chrome-plated brass ball - PTFE seats & gland pack - FKM o-ring - Full bore - Anti-blowout stem - PS: see tables - TS: -10°C/+120°C.



### Female/female

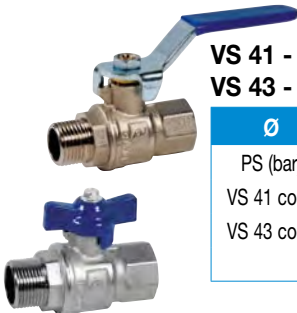


#### VS 40 - Blue steel lever

#### VS 42 - Blue aluminium butterfly handle

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	40	40	40	40	40	30	30	25
VS 40 code	-	-	179002	179003	179004	179005	179006	179007
VS 42 code	179020	179021	179022	179023	179024	-	-	-

### Male/female



#### VS 41 - Blue steel lever

#### VS 43 - Blue aluminium butterfly handle

Ø	1/4"	3/8"	1/2"	3/4"	1"
PS (bar)	40	40	40	40	40
VS 41 code	-	-	179102	179103	179104
VS 43 code	179120	179121	179122	179123	179124

## Locking device

2014/68/EU Directive - Risk category I / module A - Nickel-plated CW617N brass body - PTFE seats - Full bore - Tamper-resistant stem - 4 point locking device - On/off position indicator - PS: see tables.



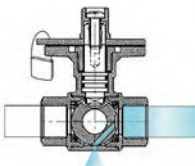
### 556 - Sferalock® - Female/female

⚠ Compressed air up to 20 bar only - TS: -10°C/+120°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	40	40	40	40	40	30	25	20
code	556002	556003	556004	556005	556006	556007	556008	556009

### 557 - Sferalock® - Female/female with decompression hole

⚠ Compressed air up to 10 bar only - TS: -10°C/+100°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"
PS (bar)	40	40	40	40	40
code	557002	557003	557004	557005	557006

## Reduction gear handle

97/23/EC Directive - Risk category I / module A - Nickel plated CW617 brass body - PTFE seats - NBR o-ring - Full bore - Anti-blowout stem - PS: see table - TS: -10°C/+90°C.



### 531



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"
PS (bar)	40	40	40	40	25	25	25	25
code	531003	531004	531005	531006	531007	531008	531009	531010

**NEW**

## ISO pad

2014/68/EU Directive - Risk category I / module A - Nickel-plated CW617N brass body - PTFE seats - Full bore - PS: 16 bar - TS: -10°C/+100°C - ⚠️ **Delivered bare shaft for direct mounting automation.**



### ■ 2 way



#### 502XS - 2 way (BSP)

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	16	16	16	16	16	16	16	16	16
code	270002	270003	270004	270005	270006	270007	270038	270039	270040

**NEW**

2014/68/EU Directive - Risk category I / module A - Nickel-plated CW617N brass body - PTFE seats - Reduced bore - PS: 16 bar - TS: -10°C/+100°C - ⚠️ **Delivered bare shaft for direct mounting automation.**



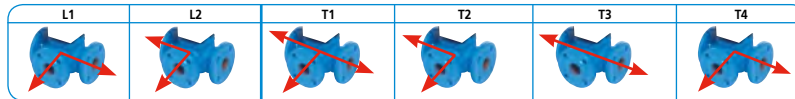
### ■ 3 way



#### 513 - L port (BSP)

#### 514 - T port (BSP)

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	16	16	16	16	16	16	16	16
513 code	275010	275011	275012	275013	275014	275015	275016	275017
514 code	275030	275031	275032	275033	275034	275035	275036	275037



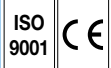
# Cast iron ball valves



## Split body

2014/68/EU Directive - Risk category I / module A - Flanged RF PN16 - GG25 body - Stainless steel ball - PTFE seat - FKM o-ring - Full bore - Anti-blowout stem - ISO pad - PS: 16 bar - TS: -10°C/+200°C -

⚠️ **Not suitable for steam & compressed air - Only for fluids from group 2.**



#### 507 - EN 558 series 14 up to DN150 & series 15 from DN125

DN	15	20	25	32	40	50	65	80	100	125/S14	125/S15	150/S14	150/S15	200
face to face	115	120	125	130	140	150	170	180	190	200	325	210	350	400
code	507015	507020	507025	507032	507040	507050	507065	507080	507100	507125	507126	507150	507151	507200



#### 505 - NF 29323

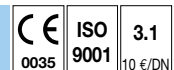
DN	40	50	65	80	100	125	150
face to face	136	142	154	160	172	186	200
code	505040	505050	505065	505080	505100	505125	505150

# Carbon steel & stainless steel ball valves



## 1 piece body

97/23/EC Directive N°0035 - Risk category III / module H - PTFE seats - Reduced bore - Locking device - PS: 40 bar - TS: -20°C/+180°C.



#### 708 - Stainless steel (BSP)

CF8M body & ball.

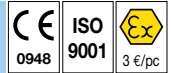
Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	708002	708003	708004	708005	708006	708007	708008	708009

**HIGH PRESSURE**

## 1 piece body - High pressure

### ■ 2 way

97/23/EC Directive N°0948 - Risk category II / module A1 - POM ball seats - NBR other seats - Reduced bore - PS: see table - TS: -10°C/+100°C.

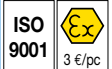


#### 799 - Carbon steel

1.0737 body & ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	500	500	500	315	315	315	315	315
code	799002	799003	799004	799005	799006	799007	799008	799009

Excluded from 2014/68/EU Directive (article 4, §3) - POM ball seats - FKM o-ring - Full bore - ISO pad - PS: see tables - TS: -20°C/+100°C.



#### 799 ZA - Carbon steel

1.0716 body & ball.



Ø	3/8"	1/2"	3/4"	1"
PS (bar)	500	500	420	315
code	273201	273202	273203	273204

#### 799 ZI - Stainless steel

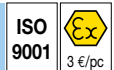
F316 body & ball.



Ø	3/8"	1/2"	3/4"	1"
PS (bar)	500	500	420	315
code	273221	273222	273223	273224

### ■ 3 way

Excluded from 2014/68/EU Directive (article 4, §3) - POM ball seats - NBR other seats - Reduced bore - PS: see table - TS: -10°C/+100°C.

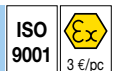


#### 721 - Carbon steel - L port

1.0737 body & ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"
PS (bar)	400	400	350	350	350
code	721002	721003	721004	721005	721006

Excluded from 2014/68/EU Directive (article 4, §3) - POM ball seats - NBR other seats - Reduced bore - ISO pad - PS: see table - TS: -10°C/+100°C.



#### 721 ZA - Carbon steel - L port

1.0737 body & ball.



Ø	3/8"	1/2"	3/4"	1"
PS (bar)	500	500	315	315
code	275301	275302	275303	275304

## 2 piece body

97/23/EC Directive N°0035 - Risk category III / module H - PTFE seats - Full bore - Anti-blowout stem - Locking device - PS: see table - TS: -20°C/+180°C.

CE 0035 ISO 9001 3.1 10 €/DN



### 705 - Carbon steel

A216WCB body - CF8M ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
PS (bar)	63	63	63	63	50	50	40	40	25	25
code	705002	705003	705004	705005	705006	705007	705008	705009	705010	705011

97/23/EC Directive N°0036 - Risk category III / module H - Full bore - Anti-blowout stem - Locking device - PS: see table - TS: -20°C/+180°C.

CE 0036 ISO 9001 3.1 10 €/DN



### 7151 - Stainless steel - S-First

CF8M body & ball - RTFE seats.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
PS (bar)	63	63	63	63	50	50	40	40	25	25	16
code	715102	715103	715104	715105	715106	715107	715108	715109	715110	715111	715112



### 7152 - Stainless steel - S-First - With decompression hole

CF8M body & ball - PTFE seats - For compressed air & nitrogen.

Ø	1/4"	3/8"	1/2"	3/4"	1"
PS (bar)	8	8	8	8	8
code	715202	715203	715204	715205	715206

97/23/EC Directive N°0035 - Risk category II / module D1 - PTFE seats - Full bore - Anti-blowout stem - Locking device - PS: see tables - TS: -20°C/+180°C.

CE 0035 ISO 9001 3.1 10 €/DN



### 715 - Stainless steel

CF8M body & ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
PS (bar)	63	63	63	63	50	50	40	40	25	25	16
code	715002	715003	715004	715005	715006	715007	715008	715009	715010	715011	715012



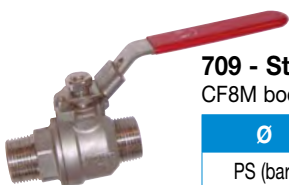
### 789 - Stainless steel male-female

CF8M body & ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	63	63	63	63	50	50	40	40
code	789002	789003	789004	789005	789006	789007	789008	789009

Excluded from 2014/68/EC directive (article 4, §3) - RTFE seats - Reduced bore - Anti-blowout stem - Locking device - PS: see table - TS: -20°C/+180°C.

ISO 9001 3.1 10 €/DN



### 709 - Stainless steel male-male

CF8M body & ball.

Ø	3/8"	1/2"	3/4"	1"
PS (bar)	63	63	63	50
code	709003	709004	709005	709006

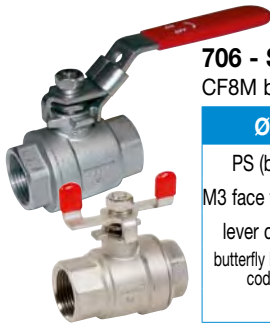
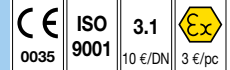
### Spare butterfly handle

for 705-706-704-709



Ø	1/4"	3/8"	1/2" & 3/4"	1"
code	9831131	9831132	9831133	9831134

97/23/EC Directive N°0035 - Risk category III / module H - PTFE seats - Full bore - Anti-blowout stem - Locking device - Long thread - PS: see tables - TS: -20°C/+180°C.



## 706 - Stainless steel - DIN 3202-4 M3

CF8M body & ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
PS (bar)	63	63	63	63	50	50	40	40	25	25	16
M3 face to face	50	60	75	80	90	110	120	140	185	205	240
lever code	706002	706003	706004	706005	706006	706007	706008	706009	706010	706011	706012
butterfly handle code	706102	706103	706104	706105	706106	-	-	-	-	-	-



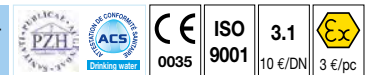
## 704 - Stainless steel - Long thread

CF8M body & ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	63	63	63	63	50	50	40	40
face to face	50	60	75	80	90	100	120	140
code	704002	704003	704004	704005	704006	704007	704008	704009

## 2 piece body - ISO pad

2014/68/EU Directive N°0035 - Risk category II / module H - RTFE seats - Full bore - Anti-blowout stem - Locking device - PS: 63 bar - TS: -20°C/+200°C - Steam up to 11 bar max.



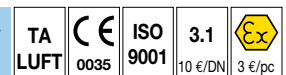
## 733 - Stainless steel - ISO pad

CF8M body & ball.

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
PS (bar)	63	63	63	63	63	63	63	63
code	733004	733005	733006	733007	733008	733009	733010	733011

## 2 piece body - High temperature

2014/68/EU Directive N°0035 - Risk category II / module H - PTFE + graphite seats - Full bore - Anti-blowout stem - Locking device - PS: 63 bar - TS: -20°C/+200°C - Steam up to 11 bar max.



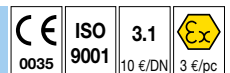
## 714 - Stainless steel

CF8M body & ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	63	63	63	63	63	63	63	63
code	714002	714003	714004	714005	714006	714007	714008	714009

## 2 piece body - Dry cleaned for oxygen service

2014/68/EU Directive N°0035 - Risk category II / module H - RTFE seats - Full bore - Anti-blowout stem - Locking device - PS: 63 bar - TS: -20°C/+200°C.



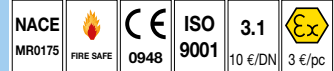
## 7143 - Stainless steel - silicone free

CF8M body & ball - Supplied inside sealed bag with caps.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	63	63	63	63	63	63	63	63
code	714302	714303	714304	714305	714306	714307	714308	714309

## 2 piece body - 800 lbs

97/23/EC Directive N°0948 - Risk category III / module B + C1 - 800 lbs - Fire safe BS 6755 - NACE MR0175 - PTFE + carbon graphite seats - Anti-blowout stem - Full bore - Antistatic device.



### 717 - Carbon steel

A105 body - F316L ball - PS: 136 bar - TS: -20°C/+180°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Bore	10	10	15	20	25	30	38	48
BSP code	717002	717003	717004	717005	717006	717007	717008	717009
NPT code	717102	717103	717104	717105	717106	717107	717108	717109



### 716 - Stainless steel

F316L body & ball - PS: 132 bar - TS: -30°C/+180°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Bore	10	10	15	20	25	30	38	48
BSP code	716002	716003	716004	716005	716006	716007	716008	716009
NPT code	716102	716103	716104	716105	716106	716107	716108	716109



### 718 - Carbon steel

A105 body - F316L ball - Length: 100 mm - PS: 136 bar - TS: -20°C/+180°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Bore	10	10	15	20	25	30	38	48
BW code*	718008	718010	718015	718020	718025	718032	718040	718050
SW code	718208	718210	718215	718220	718225	718232	718240	718250

not on stock, on request.

\* Butt welding ends schedule 80.

### 719 - Stainless steel

F316L body & ball - Length: 100 mm - PS: 132 bar - TS: -30°C/+180°C.



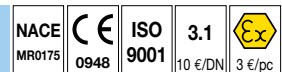
Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Bore	10	10	15	20	25	30	38	48
BW code*	719008	719010	719015	719020	719025	719032	719040	719050
SW code	719208	719210	719215	719220	719225	719232	719240	719250

not on stock, on request.

\* Butt welding ends schedule 80.

## 2 piece body - 1500 lbs

97/23/EC Directive N°0948 - Risk category III / module B + C1 - 1500 lbs - PEEK seats - Carbon graphite gaskets - Full bore - Anti-blowout stem - Antistatic device - **Steam up to 30 bar max.**



### 734 - Carbon steel

A105 body - F316L ball - PS: 255 bar - TS: -20°C/+250°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Bore	10	10	15	20	25	30	38	48
BSP code	734002	734003	734004	734005	734006	734007	734008	734009
NPT code	734102	734103	734104	734105	734106	734107	734108	734109

### 735 - Stainless steel

F316L body & ball - PS: 248 bar - TS: -30°C/+250°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Bore	10	10	15	20	25	30	38	48
BSP code	735002	735003	735004	735005	735006	735007	735008	735009
NPT code	735102	735103	735104	735105	735106	735107	735108	735109

### Locking device

for 717-716-718-719-734-735



Ø	1/4"-3/8"	1/2"	3/4"-1"	1 1/4"-2"
code	9830301	9830313	9830314	9830315



### Spare stainless steel F304 lever

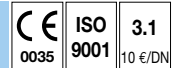
for 717-716-718-719-734-735

Ø	1/4"-3/8"	1/2"	3/4"-1"	1 1/4"-2"
code	9830320	9830320	9830317	9830318



## 2 piece construction - 3 way

97/23/EC Directive N°0035 - Risk category II / module D1 - PTFE seats - 4 seats / 3 way tightness - Reduced bore - Anti-blowout stem - Locking device - ISO pad - PS: 40 bar - TS: -30°C/+140°C.

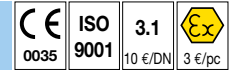


**780 - Stainless steel - L port** (BSP) CF8M body & ball.

**781 - Stainless steel - T port** (BSP)

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
780 code	780002	780003	780004	780005	780006	780007	780008	780009
781 code	781002	781003	781004	781005	781006	781007	781008	781009

2014/68/EC Directive N°0035 - Risk category III / module H - PTFE seats - 4 seats / 3 way tightness - Reduced bore - Anti-blowout stem - Antistatic device - ISO pad - PS: 63 bar - TS: -30°C/+180°C.



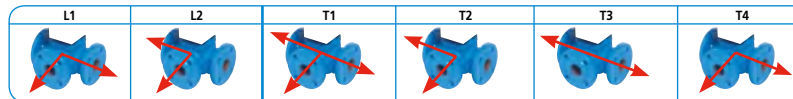
**NEW**



**780XS - Stainless steel - L port** (BSP) CF8M body & ball.

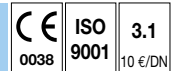
**781XS - Stainless steel - T port** (BSP)

DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
780XS code	275400	275401	275402	275403	275404	275405	275406	275407
781XS code	275420	275421	275422	275423	275424	275425	275426	275427



## 3 piece body - S-First

2014/68/EU Directive N°0038 - Risk category III / module H - RTFE seats - Full bore - Anti-blowout stem - Locking device - PS: see tables - TS: -20°C/+180°C - ⚠️ Compressed air: 20 bar max. up to 1", 16 bar above.



**796 - Carbon steel** (BSP)

**798 - Carbon steel** (SW)

**797 - Carbon steel** (FM) A216WCB body - F304 ball.

**796 - Carbon steel** (NPT)

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
PS (bar)	63	63	63	63	40	40	40	40	25	25	20
796 code	796002	796002	796004	796005	796006	796007	796008	796009	796010	796011	796012
797 code	797008	797010	797015	797020	797025	797032	797040	797050	797065	797080	797100
798 code	798008	798010	798015	798020	798025	798032	798040	798050	798065	798080	798100
NPT code	796102	796103	796104	796105	796106	796107	796108	796109	-	-	-

**790 - Stainless steel** (BSP)

**792 - Stainless steel** (SW)

**791 - Stainless steel** (FM)

**744 - Stainless steel** (NPT)

CF8M body & ball.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
PS (bar)	63	63	63	63	40	40	40	40	25	25	20
790 code	790002	790003	790004	790005	790006	790007	790008	790009	790010	790011	790012
791 code	791008	791010	791015	791020	791025	791032	791040	791050	791065	791080	791100
792 code	792008	792010	792015	792020	792025	792032	792040	792050	792065	792080	792100
744 code	744002	744003	744004	744005	744006	744007	744008	744009	744010	744011	744012

**Spare stem extension** for 796-797-798-790-791-792-744 and 730-731 (page 27)



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
height	125,50	125,50	125,50	125,50	125,50	125,50	127,50	127,50
code	9810611	9810611	9810612	9810612	9810613	9810613	9810614	9810614

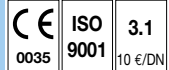
**Spare blue sleeve** for 796-797-798-790-791-792-744



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	9830444	9830444	9830444	9830444	9830445	9830445	9830446	9830446	9830447	9830447	9830448

## 3 piece body - ISO pad - S-First

97/23/EC Directive N°0035 - Risk category III / module H - RTFE seats - Full bore - Anti-blowout stem - ISO pad - Locking device - PS: see table - TS: -20°C/+180°C - ⚠️ Compressed air: 20 bar max. up to 1", 16 bar above.



**740 - Stainless steel**

**742 - Stainless steel**

**741 - Stainless steel**

**743 - Stainless steel**

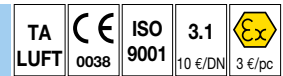
CF8M body & ball.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	63	63	63	63	40	40	40	40
740 code	740002	740003	740004	740005	740006	740007	740008	740009
741 code	741008	741010	741015	741020	741025	741032	741040	741050
742 code	742008	742010	742015	742020	742025	742032	742040	742050
743 code	743002	743003	743004	743005	743006	743007	743008	743009

## 3 piece body - ISO pad

97/23/EC Directive N°0038 - Risk category III / module H - Stainless steel reinforced PTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: see tables.



**737 - Carbon steel**

**738 - Carbon steel**

**739 - Carbon steel**

A216WCB body - CF8M ball - TS: -20°C/+220°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	63	63	63	63	63	63	63	63	40	40	40
737 code	737002	737003	737004	737005	737006	737007	737008	737009	737010	737011	737012
738 code	738008	738010	738015	738020	738025	738032	738040	738050	738065	738080	738100
739 code	739008	739010	739015	739020	739025	739032	739040	739050	739065	739080	739100

**747 - Stainless steel**

**748 - Stainless steel**

**749 - Stainless steel**

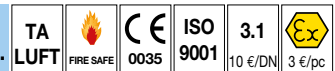
CF8M body & ball - TS: -30°C/+220°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	63	63	63	63	63	63	63	63	40	40	40
747 code	747002	747003	747004	747005	747006	747007	747008	747009	747010	747011	747012
748 code	748008	748010	748015	748020	748025	748032	748040	748050	748065	748080	748100
749 code	749008	749010	749015	749020	749025	749032	749040	749050	749065	749080	749100

## 3 piece body - ISO pad - Fire safe

2014/68/EC Directive N°0035 - Risk category III / module H - Stainless steel reinforced PTFE seats - Full bore - Anti-blowout stem - Antistatic device - PS: 63 bar - ⚠️ Steam up to 15 bar max. / 200°C.



**737 XS - Carbon steel**

**738 XS - Carbon steel**

**739 XS - Carbon steel**

A216WCB body - CF8M ball - TS: -25°C/+220°C.

**NEW**



DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	63	63	63	63	63	63
737XS code	271202	271203	271204	271205	271206	271207
738XS code	271212	271213	271214	271215	271216	271217
739XS code	271232	271233	271234	271235	271236	271237

**747 XS - Stainless steel**

**748 XS - Stainless steel**

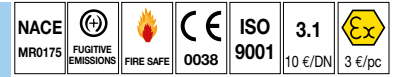
**749 XS - Stainless steel**

CF8M body & ball - TS: -40°C/+220°C.



DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	63	63	63	63	63	63
747XS code	272702	272703	272704	272705	272706	272707
748XS code	272712	272713	272714	272715	272716	272717
749XS code	272732	272733	272734	272735	272736	272737

97/23/EC Directive N°0038 - Risk category III / module H - Face to face acc. to DIN 3202-4 M3 - Fire safe ISO 10497 - Fugitive emissions ISO 15848-1 class A - NACE MR0175 - RTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - PS: see tables - TS: -28°C/+200°C.



## 712 - Carbon steel

A216WCB body - CF3 ball.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
PS (bar)	100	100	64	64	40	40	40	40	25	25	20
M3 face to face	50	60	75	80	90	110	120	140	185	205	240
BSP code	712002	712003	712004	712005	712006	712007	712008	712009	712010	712011	712012
BW code	712108	712110	712115	712120	712125	712132	712140	712150	712165	712180	712199
SW code	712208	712210	712215	712220	712225	712232	712240	712250	712265	712280	712299

\* not fire safe.   not on stock, on request. Approx. 4-5 weeks delivery time.

## 713 - Stainless steel

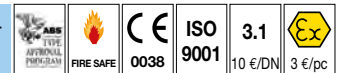
CF8M body - CF3M ball.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
PS (bar)	100	100	64	64	40	40	40	40	25	25	20
M3 face to face	50	60	75	80	90	110	120	140	185	205	240
BSP code	713002	713003	713004	713005	713006	713007	713008	713009	713010	713011	713012
BW code	713108	713110	713115	713120	713125	713132	713140	713150	713165	713180	713199
SW code	713208	713210	713215	713220	713225	713232	713240	713250	713265	713280	713299

\* not fire safe.   not on stock, on request. Approx. 4-5 weeks delivery time.

97/23/EC Directive N°0038 - Risk category III / module H - Fire safe API 607 - PTFE + 25% carbon seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: see tables - **⚠ Steam up to 18 bar max.**



## 702 - Carbon steel

A216WCB body - CF8M ball - TS: -20°C/+220°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	140	140	140	140	140	100	100	100
BSP code	702002	702003	702004	702005	702006	702007	702008	702009
BW code	702108	702110	702115	702120	702125	702132	702140	702150
SW code	702208	702210	702215	702220	702225	702232	702240	702250
NPT code	702302	702303	702304	702305	702306	702307	702308	702309

## 703 - Stainless steel

CF8M body & ball - TS: -30°C/+220°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	140	140	140	140	140	100	100	100
BSP code	703002	703003	703004	703005	703006	703007	703008	703009
BW code	703108	703110	703115	703120	703125	703132	703140	703150
SW code	703208	703210	703215	703220	703225	703232	703240	703250
NPT ccode	703302	703303	703304	703305	703306	703307	703308	703309

### Spare oval wheel for 702-703



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	9830440	9830440	9830441	9830441	9830442	9830442	9830443	9830475

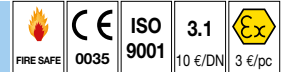
### Spare stem extension for 702-703



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	9830471	9830471	9830471	9830471	9830472	9830472	9830473	9830474

## 3 piece body - ISO pad - Fire Safe

97/23/EC Directive N°0035 - Risk category III / module H - Fire safe API 607 - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: see tables - ⚠️ **Steam up to 18 bar max.**



### 702 XS - Carbon steel

A216WCB body - CF8M ball - **PTFE seats** - TS: -20°C/+220°C.

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	140	140	140	100	100	100
code	271342	271343	271344	271345	271346	271347



### 702 XS - Carbon steel

A216WCB body - CF8M ball - **PEEK seats** - TS: -10°C/+250°C.

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	140	140	140	100	100	100
code	271362	271363	271364	271365	271366	271367



### 703 XS - Stainless steel

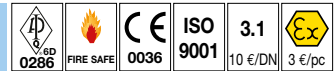
CF8M body & ball - PTFE seats - TS: -30°C/+220°C.

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
PS (bar)	140	140	140	100	100	100
BSP code	271372	271373	271374	271375	271376	271377
BW code	271382	271383	271384	271385	271386	271387

## 3 piece body - Forged valves



97/23/EC Directive N°0036 - Risk category III / module H - API Spec 6D-0286 - Fire safe API607 - F316 ball - F316 stem - Full bore - Anti-blowout stem - Antistatic device - ISO pad.



**NEW**



### 7451 - Carbon steel - 800 lbs

### 7450 - Carbon steel - 800 lbs

A105N carbon steel body - RTFE seats - PS: 136 bars - TS: -29°C/+220°C.

NPS	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
7451 code	745115	745120	745125	745132	745140	745150
7450 code	745004	745005	745006	745007	745008	745009

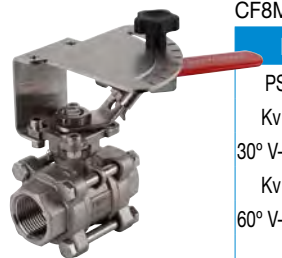
not on stock, available late 2018.

## 3 piece body control valves - V-port ball

2014/68/EC Directive N°0035 - Risk category III / module H - RTFE seats - Full bore - Anti-blowout stem - Antistatic device - Stainless steel graduated arcade 0-90° with blocking screw - PS: see tables.



**NEW**



### 746 XS V - Stainless steel

### 745 XS V - Stainless steel

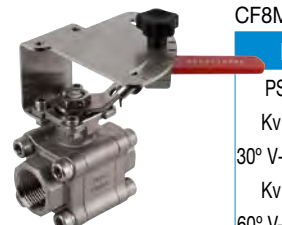
### 743 XS V - Stainless steel

CF8M body & ball - TS: -40°C/+180°C.

DN	1/2"	3/4"	1"	1"1/2"	2"
PS (bar)	63	63	63	63	63
Kv (m³/h)	5,1	6,8	13,7	25,3	38,4
30° V-ball code	272642V3	272643V3	272644V3	272646V3	272647V3
Kv (m³/h)	10,1	14,5	24,5	47,9	81,4
60° V-ball code	272642V6	272643V6	272644V6	272646V6	272647V6

TA LUFT

also available	746 XS	745 XS	743 XS
code	27264...	27266...	27268...



### 703 XS C - Stainless steel

CF8M body & ball - TS: -30°C/+220°C.

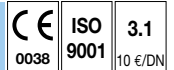
DN	1/2"	3/4"	1"	1"1/2"	2"
PS (bar)	137	137	137	137	137
Kv (m³/h)	5,1	6,8	13,7	25,3	38,4
30° V-ball code	271372V3	271373V3	271374V3	271376V3	271377V3
Kv (m³/h)	10,1	14,5	24,5	47,9	81,4
60° V-ball code	272642V6	272643V6	272644V6	272646V6	272647V6



also available	703 XS	703 XS
code	27137...	27138...

## 3 piece body flanged - S-First

2014/68/EU Directive N°0038 - Risk category III / module H - Flanged RF PN40 - EN 558 series 1 - RTFE seats - Full bore - Anti-blowout stem - Locking device - PS: 40 bar.



### 730 - Carbon steel

A216WCB body - CF8M ball - TS: -20°C/+180°C.



DN	15	20	25	32	40	50	65	80	100
face to face	130	150	160	180	200	230	290	310	350
code	730015	730020	730025	730032	730040	730050	730065	730080	730100

### 731 - Stainless steel

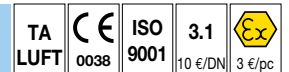
CF8M body & ball - TS: -20°C/+180°C.



DN	15	20	25	32	40	50	65	80	100
face to face	130	150	160	180	200	230	290	310	350
code	731015	731020	731025	731032	731040	731050	731065	731080	731100

## 3 piece body flanged - ISO pad

97/23/EC Directive N°0038 - Risk category III / module H - Flanged RF PN40 - EN 558 series 1 - Stainless steel reinforced PTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: 40 bar.



### 710 - Carbon steel

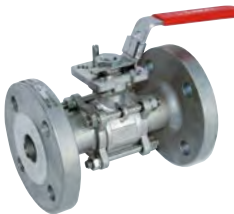
A216WCB body - CF8M ball - TS: -20°C/+220°C.



DN	15	20	25	32	40	50	65	80	100
face to face	130	150	160	180	200	230	290	310	350
code	710015	710020	710025	710032	710040	710050	710065	710080	710100

### 711 - Stainless steel

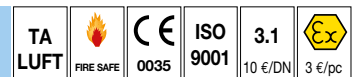
CF8M body & ball - TS: -30°C/+220°C.



DN	15	20	25	32	40	50	65	80	100
face to face	130	150	160	180	200	230	290	310	350
code	711015	711020	711025	711032	711040	711050	711065	711080	711100

## 3 piece body flanged - ISO pad - Fire Safe

2014/68/EC Directive N°0035 - Risk category III / module H - Flanged RF PN 40 - EN 558 series 1 - Stainless steel reinforced PTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: 40 bar - TS: -25°C/+220°C - ⚠️ Steam up to 15 bar max./200°C.



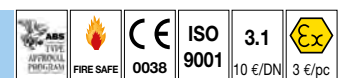
### 765 XS - Carbon steel

AZ16WCB body - CF8M ball.



DN	15	20	25	32	40	50	65	80	100
face to face	130	150	160	180	200	230	290	310	350
code	271322	271323	271324	271325	271326	271327	271328	271329	271330

97/23/EC Directive N°0038 - Risk category III / module H - Flanged RF PN 40 - EN 558 series 1 - PTFE + 25% carbon seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: 40 bar - TS: -30°C/+220°C - ⚠️ Steam up to 15 bar max./200°C.



### 7034 - Stainless steel

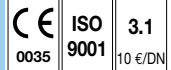
CF8M body & ball



DN	15	20	25	32	40	50
face to face	130	150	160	180	200	230
code	703415	703420	703425	703432	703440	703450

## Wafer

97/23/EC Directive N°0035 - Risk category II / module D1 - Flanged RF PN16 - RTFE seats - ISO pad - Locking device from DN25 to DN100 - Anti-blowout stem - PS: 16 bar - TS: -20°C/+180°C.



### 771 - Stainless steel

CF8M body & ball.

DN	15	20	25	32	40	50	65	80	100	125	150
face to face	35	39	44	52	64	83	100	121	152	179	202
code	771015	771020	771025	771032	771040	771050	771065	771080	771100	771125	771150

97/23/EC Directive N°0035 - Risk category III / module H - Flanged RF PN16 - PTFE seats - ISO pad - Full bore up to DN80 - Anti-blowout stem - PS: 16 bar - TS: -20°C/+180°C.



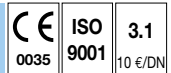
### 771 XS - Stainless steel

CF8M body & ball.

DN	15	20	25	32	40	50	65	80	100
face to face	35	39	44	52	64	83	100	121	152
code	272902	272903	272904	272905	272906	272907	272908	272909	272910

## Split body - S-First

97/23/EC Directive N°0035 - Risk category II / module D1 - PTFE + fiberglass seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: see tables - TS: -10°C/+180°C.



### Flanged RF PN40/16

#### 764 - Carbon steel

A216WCB body - F304 ball - EN 558 series 27.



DN	15	20	25	32	40	50	65	80	100	125	150
face to face	115	120	125	130	140	150	170	180	190	325	350
PS	40	40	40	40	40	40	16	16	16	16	16
code	764015	764020	764025	764032	764040	764050	764065	764080	764100	764125	764150

#### 765 - Stainless steel

CF8M body - F316 ball - EN 558 series 27.



DN	15	20	25	32	40	50	65	80	100	125	150
face to face	115	120	125	130	140	150	170	180	190	325	350
PS	40	40	40	40	40	40	16	16	16	16	16
code	765015	765020	765025	765032	765040	765050	765065	765080	765100	765125	765150

### Flanged RF ANSI 150

#### 793 - Carbon steel

A216WCB body - F304 ball - EN 558 series 3 up to 4", series 12 above - PS: 20 bar.



NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
face to face	108	117	127	140	165	178	190	203	229	394
code	793015	793020	793025	793032	793040	793050	793065	793080	793100	793150

#### 794 - Stainless steel

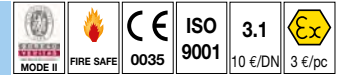
CF8M body - F316 ball - EN 558 series 3 up to 4", series 12 above - PS: 20 bar.



NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
face to face	108	117	127	140	165	178	190	203	229	394
code	794015	794020	794025	794032	794040	794050	794065	794080	794100	794150

## Split body - Fire safe

2014/68/EU Directive N°0035 - Risk category II / module H - Fire safe API 607 - Bureau Veritas Marine recognition MODE II - RTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: see tables - TS: -20°C/+200°C - ⚠️ **Steam up to 11 bar max.**



### ■ Flanged RF PN40/16



#### 762 - Carbon steel

A216WCB body - CF8M ball - EN 558 series 27.

DN	15	20	25	32	40	50	65	80	100	125	150	200*
face to face	115	120	125	130	140	150	170	180	190	325	350	400
PS	40	40	40	40	40	40	16	16	16	16	16	16
code	762015	762020	762025	762032	762040	762050	762065	762080	762100	762125	762150	762200

\* not fire safe.



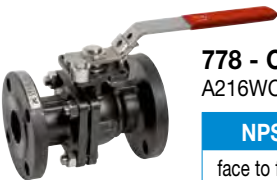
#### 763 - Stainless steel

CF8M body & ball - EN 558 series 27.

DN	15	20	25	32	40	50	65	80	100	125	150	200*
face to face	115	120	125	130	140	150	170	180	190	325	350	400
PS	40	40	40	40	40	40	16	16	16	16	16	16
code	763015	763020	763025	763032	763040	763050	763065	763080	763100	763125	763150	763200

\* not fire safe.

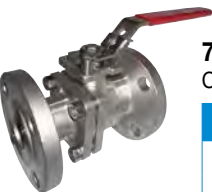
### ■ Flanged RF ANSI 150



#### 778 - Carbon steel

A216WCB body - CF8M ball - EN 558 series 3 - PS: 20 bar.

NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
face to face	108	117	127	140	165	178	190	203	229
code	778015	778020	778025	778032	778040	778050	778065	778080	778100



#### 779 - Stainless steel

CF8M body & ball - EN 558 series 3 - PS: 20 bar.

NPS	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
face to face	108	117	127	140	165	178	190	203	229
code	779015	779020	779025	779032	779040	779050	779065	779080	779100

### ■ Option



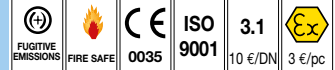
MOUNTING  
12 €/pc

#### Spare gearbox for 762-763

DN	150	200
code	9830296	9830297

## Split body - Fire safe - High temperature

97/23/EC Directive N°0035 - Risk category III / module H - Fire safe ISO 10497 - NACE MR0175 for ANSI valves - Plain PTFE TFM1600 seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - Ball with decompression hole - ⚠️ **Steam up to 12 bar max.**



### ■ Flanged RF PN40/16

#### 752 - Carbon steel

A216WCB body - CF8M ball - EN 558 series 27 - TS: -20°C/+230°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	115	120	125	130	140	150	170	180	190	325	350	400
PS	40	40	40	40	40	40	16	16	16	16	16	16
code	752015	752020	752025	752032	752040	752050	752065	752080	752100	752125	752150	752200

#### 753 - Stainless steel

CF8M body & ball - EN 558 series 27 - TS: -50°C/+230°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	115	120	125	130	140	150	170	180	190	325	350	400
PS	40	40	40	40	40	40	16	16	16	16	16	16
code	753015	753020	753025	753032	753040	753050	753065	753080	753100	753125	753150	753200

### ■ Flanged RF ANSI 150

#### 756 - Carbon steel

A216WCB body - CF8M ball - EN 558 series 3 up to 4", series 12 above - PS: 20 bar - TS: -29°C/+230°C.



NPS	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
face to face	108	117	127	165	178	190	203	229	394	457
code	756015	756020	756025	756040	756050	756065	756080	756100	756150	756200

NACE  
MR0175

#### 757 - Stainless steel

CF8M body & ball - EN 558 series 3 up to 4", series 12 above - PS: 20 bar - TS: -50°C/+230°C.



NPS	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
face to face	108	117	127	165	178	190	203	229	394	457
code	757015	757020	757025	757040	757050	757065	757080	757100	757150	757200

NACE  
MR0175

### ■ Flanged RF ANSI 300

#### 768 - Carbon steel

A216WCB body - CF8M ball - EN 558 series 4 - PS: 50 bar - TS: -29°C/+230°C.



NPS	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
face to face	140	152	165	190	216	283	305	403	502
code	768015	768020	768025	768040	768050	768080	768100	768150	768200

NACE  
MR0175

#### 769 - Stainless steel

CF8M body & ball - EN 558 series 4 - PS: 50 bar - TS: -50°C/+230°C.



NPS	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
face to face	140	152	165	190	216	283	305	403	502
code	769015	769020	769025	769040	769050	769080	769100	769150	769200

not on stock,  
on request.

NACE  
MR0175

### ■ Options & spare parts

#### Spare gearbox

for 752-753-756-757-768-769



MOUNTING  
12 €/pc

DN	100	125	150	200
NPS	4"	-	6"	8"
code	9830221	9830222	9830266	9830267

#### Spare stainless steel lever

for 752-753-756-757-768-769

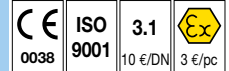


DN	15-20	25-32	40-50	65	80	100	125-150	200
NPS	1/2"-3/4"	1"	1 1/2"-2"	2 1/2"	3"	4"	6"	8"
code	9812090	9812091	9812092	9812093	9812094	9812095	9812096	9812097



## Flanged - 3 way

97/23/EC Directive N°0038 - Risk category III / module H - Flanged RF PN16 - RTFE seats - 4 seats / 3 way tightness - Full bore - Anti-blowout stem - PS: 16 bar.



**783 - Carbon steel - L port**

**784 - Carbon steel - T port**

A216WCB body - CF8 ball - TS: -20°C/+150°C.

DN	25	32	40	50	65	80	100	125	150
783 code	783025	783032	783040	783050	783065	783080	783100	783125	783150
784 code	784025	784032	784040	784050	784065	784080	784100	784125	784150

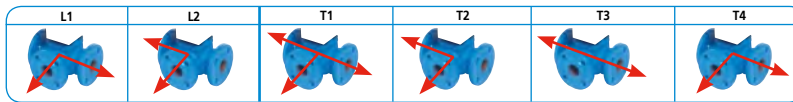


**785 - Stainless steel - L port**

**786 - Stainless steel - T port**

CF8M body & ball - TS: -30°C/+150°C.

DN	25	32	40	50	65	80	100	125	150
785 code	785025	785032	785040	785050	785065	785080	785100	785125	785150
786 code	786025	786032	786040	786050	786065	786080	786100	786125	786150



# Carbon steel & stainless steel ball valves

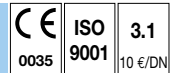


**NEW**

## 1 piece body

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - PTFE seats - Reduced bore - Locking device - PS: 55 bar - TS: -20°C/+180°C.



**101 IIT (V10) - Stainless steel**

CF8M body - F316 ball.

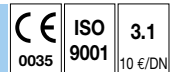
**102 IIT (V10) - Stainless steel**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	55	55	55	55	55	55	55	55
BSP code	101IIT008	101IIT010	101IIT015	101IIT020	101IIT025	101IIT032	101IIT040	101IIT050
NPT code	102IIT008	102IIT010	102IIT015	102IIT020	102IIT025	102IIT032	102IIT040	102IIT050

## 2 piece body

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - RTFE seats - Full bore - Locking device - PS: 69 bar - TS: -20°C/+180°C.



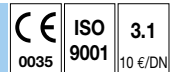
**231 A IIT (V20) - Stainless steel**

CF8M body - F316 ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	69	69	69	69	69	69	69	69	69	69	69
code	231AIIT008	231AIIT010	231AIIT015	231AIIT020	231AIIT025	231AIIT032	231AIIT040	231AIIT050	231AIIT065	231AIIT080	231AIIT100

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - RTFE seats - Full bore - Antistatic device - Locking device - PS: see table - TS: -20°C/+180°C.



**212 A IIT (V20) - Stainless steel**

CF8M body - F316 ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	138	138	138	138	138	103	103	103
code	212AIIT008	212AIIT010	212AIIT015	212AIIT020	212AIIT025	212AIIT032	212AIIT040	212AIIT050

**NEW**

## 3 piece body - ISO pad

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - PTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: see table - TS: -20°C/+180°C.

CE 0035 ISO 9001 3.1 10 €/DN



**351 BA IIT (V55A) - Stainless steel** CF8M body - F316 ball.

**352 BA IIT (V55A) - Stainless steel** CF8M body - F316 ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	69	69	69	69	69	69	69	69	55	55	55
BSP code	351BAIT008	351BAIT010	351BAIT015	351BAIT020	351BAIT025	351BAIT032	351BAIT040	351BAIT050	351BAIT065	351BAIT080	351BAIT100
BW code	352BAIT008	352BAIT010	352BAIT015	352BAIT020	352BAIT025	352BAIT032	352BAIT040	352BAIT050	352BAIT065	352BAIT080	352BAIT100

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - RTFE seats - V-ring chevron packing - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: see table - TS: -20°C/+180°C.

TA LUFT CE 0035 ISO 9001 3.1 10 €/DN



**391 BA IIT (V88) - Stainless steel** CF8M body - F316 ball.

**392 BA IIT (V88) - Stainless steel** CF8M body - F316 ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	138	138	138	138	138	103	103	103	69	69	69
BSP code	391BAIT008	391BAIT010	391BAIT015	391BAIT020	391BAIT025	391BAIT032	391BAIT040	391BAIT050	391BAIT065	391BAIT080	391BAIT100
BW code	392BAIT008	392BAIT010	392BAIT015	392BAIT020	392BAIT025	392BAIT032	392BAIT040	392BAIT050	392BAIT065	392BAIT080	392BAIT100

## 3 piece body - ISO pad - Fire safe

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - Fire safe API607 - RTFE seats - V-ring chevron packing - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - PS: see table - TS: -20°C/+180°C.

TA LUFT FIRE SAFE CE 0035 ISO 9001 3.1 10 €/DN



**391 BA IIT/FS (V88) - Stainless steel** CF8M body - F316 ball.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	138	138	138	138	138	103	103	103	69	69	69
code	391BAITFS008	391BAITFS010	391BAITFS015	391BAITFS020	391BAITFS025	391BAITFS032	391BAITFS040	391BAITFS050	391BAITFS065	391BAITFS080	391BAITFS100

## 3 piece body - ISO pad - Fire safe - Reduced bore

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - Fire safe API607 - RTFE seats - Chevron packing - Reduced bore - Anti-blowout stem - ISO pad - Locking device - PS: see tables - TS: -20°C/+180°C.

TA LUFT FIRE SAFE CE 0035 ISO 9001 3.1 10 €/DN



**363 BA AIT/FS (V83R) - Carbon steel** A216WCB body - F316 ball.

**364 BA AIT/FS (V83R) - Carbon steel** A216WCB body - F316 ball.

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
PS (bar)	138	138	138	103	103	103	103
SW code	363BAAITFS015	363BAAITFS020	363BAAITFS025	363BAAITFS032	363BAAITFS040	363BAAITFS050	363BAAITFS065
NPT code	364BAAITFS015	364BAAITFS020	364BAAITFS025	364BAAITFS032	364BAAITFS040	364BAAITFS050	364BAAITFS065



**363 BA IIT/FS (V83R) - Stainless steel** CF8M body - F316 ball.

**364 BA IIT/FS (V83R) - Stainless steel** CF8M body - F316 ball.

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
PS (bar)	138	138	138	103	103	103	103
SW code	363BAIITFS015	363BAIITFS020	363BAIITFS025	363BAIITFS032	363BAIITFS040	363BAIITFS050	363BAIITFS065
NPT code	364BAIITFS015	364BAIITFS020	364BAIITFS025	364BAIITFS032	364BAIITFS040	364BAIITFS050	364BAIITFS065

**NEW**

## 3 piece body - ISO pad - Fire safe - Full bore

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - Fire safe API 607 - RTFE seats - Chevron packing - Full bore - Anti-blowout stem - ISO pad - Locking device - PS: see tables - TS: -20°C/+180°C.

TA LUFT FIRE SAFE CE 0035 ISO 9001 3.1 10 €/DN



**361 BA AIT/I/FS (V83) - Carbon steel** **363 BA AIT/I/FS (V83) - Carbon steel**   
A216WCB body - F316 ball.

**362 BA AIT/I/FS (V83) - Carbon steel** **364 BA AIT/I/FS (V83) - Carbon steel**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	138	138	138	138	138	103	103	103
BSP code	361BAAITIFS008	361BAAITIFS010	361BAAITIFS015	361BAAITIFS020	361BAAITIFS025	361BAAITIFS032	361BAAITIFS040	361BAAITIFS050
BW code	362BAAITIFS008	362BAAITIFS010	362BAAITIFS015	362BAAITIFS020	362BAAITIFS025	362BAAITIFS032	362BAAITIFS040	362BAAITIFS050
SW code	363BAAITIFS008	363BAAITIFS010	363BAAITIFS015	363BAAITIFS020	363BAAITIFS025	363BAAITIFS032	363BAAITIFS040	363BAAITIFS050
NPT code	364BAAITIFS008	364BAAITIFS010	364BAAITIFS015	364BAAITIFS020	364BAAITIFS025	364BAAITIFS032	364BAAITIFS040	364BAAITIFS050



**361 BA IIT/I/FS (V83) - Stainless steel** **363 BA IIT/I/FS (V83) - Stainless steel**   
CF8M body - F316 ball.

**362 BA IIT/I/FS (V83) - Stainless steel** **364 BA IIT/I/FS (V83) - Stainless steel**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	138	138	138	138	138	103	103	103
BSP code	361BAITIFS008	361BAITIFS010	361BAITIFS015	361BAITIFS020	361BAITIFS025	361BAITIFS032	361BAITIFS040	361BAITIFS050
BW code	362BAITIFS008	362BAITIFS010	362BAITIFS015	362BAITIFS020	362BAITIFS025	362BAITIFS032	362BAITIFS040	362BAITIFS050
SW code	363BAITIFS008	363BAITIFS010	363BAITIFS015	363BAITIFS020	363BAITIFS025	363BAITIFS032	363BAITIFS040	363BAITIFS050
NPT code	364BAITIFS008	364BAITIFS010	364BAITIFS015	364BAITIFS020	364BAITIFS025	364BAITIFS032	364BAITIFS040	364BAITIFS050

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - PTFE + carbon graphite seats - Chevron packing - Full bore - Anti-blowout stem - ISO pad - Locking device - PS: see table - TS: -20°C/+180°C.

TA LUFT FIRE SAFE CE 0035 ISO 9001 3.1 10 €/DN



**361 BA AIC/I/FS (V83) - Carbon steel**   
A216WCB body - F316 ball.

Ø	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	138	138	138	138	103	103	103
361 code	361BAAICIFS010	361BAAICIFS015	361BAAICIFS020	361BAAICIFS025	361BAAICIFS032	361BAAICIFS040	361BAAICIFS050

### 3 way

#### ■ Threaded

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - RTFE seats - Anti-blowout stem - Antistatic device - Reduced bore (except 1/4" & 3/8": full bore) - ISO pad - Locking device - PS: see table - TS: -20°C/+180°C.

CE 0035 ISO 9001 3.1 10 €/DN



**1370 L (V39R) - Stainless steel - L port**   
CF8M body - F316 ball.

**1370 T (V39R) - Stainless steel - T port**

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	69	69	69	69	69	69	69	55
L code	1370LI008	1370LI010	1370LI015	1370LI020	1370LI025	1370LI032	1370LI040	1370LI050
T code	1370TI008	1370TI010	1370TI015	1370TI020	1370TI025	1370TI032	1370TI040	1370TI050

#### ■ Flanged RF PN16/40

Additional delivery time 3-5 days

97/23/EC Directive N°0035 - Risk category III / module H - Flanged RF P16/40 up to DN50, PN16 above - RTFE seats - Anti-blowout stem - Antistatic device - Full bore - ISO pad - Locking device - PS: see table - TS: -20°C/+180°C.

CE 0035 ISO 9001 3.1 10 €/DN



**V33H-6-IIR/L (V33) - Stainless steel - L port**  
CF8M body - F316 ball.

**V33H-6-IIR/T (V33) - Stainless steel - T port**

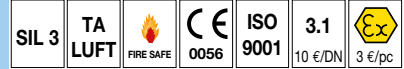
DN	15	20	25	32	40	50	65	80	100
PS (bar)	40	40	40	40	40	40	16	16	16
L code	V33H6IIRL015	V33H6IIRL020	V33H6IIRL025	V33H6IIRL032	V33H6IIRL040	V33H6IIRL050	V33H6IIRL065	V33H6IIRL080	V33H6IIRL100
T code	V33H6IIRT015	V33H6IIRT020	V33H6IIRT025	V33H6IIRT032	V33H6IIRT040	V33H6IIRT050	V33H6IIRT065	V33H6IIRT080	V33H6IIRT100

**NEW**

## Split body - Fire safe - High temperature

**Guarantee**  
**5**  
Years

2014/68/EC Directive N°0056 - Risk category III / module H1 - Fire safe ISO 10497, API 607 & BS 6755 - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Lever operated up to DN150, supplied bare shaft above - PS: see tables.



### ■ Flanged RF PN40/16

#### 340/316AIGF - Carbon steel

A216WCB body - CF8M ball - **PTFE + 25% glass fiber seats** - EN 558 series 1 - **TS: -20°C/+230°C.**



DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16
code	340AIGF015	340AIGF020	340AIGF025	340AIGF032	340AIGF040	340AIGF050	316AIGF065	316AIGF080	316AIGF100	316AIGF125	316AIGF150	316AIGF200

#### 340/316AICG - Carbon steel

A216WCB body - CF8M ball - **PTFE + 20% graphite seats** - EN 558 series 1 - **TS: -20°C/+260°C.**



DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16
code	340AICG015	340AICG020	340AICG025	340AICG032	340AICG040	340AICG050	316AICG065	316AICG080	316AICG100	316AICG125	316AICG150	316AICG200

#### 340/316IIT - Stainless steel

CF8M body & ball - **PTFE seats** - EN 558 series 1 - **TS: -50°C/+230°C.**



DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16
code	340IIT015	340IIT020	340IIT025	340IIT032	340IIT040	340IIT050	316IIT065	316IIT080	316IIT100	316IIT125	316IIT150	316IIT200

#### 540/516AIT - Carbon steel

A216WCB body - CF8M ball - **PTFE seats** - EN 558 series 27 - **TS: -20°C/+230°C.**



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
face to face	115	120	125	130	140	150	170	180	190	325	350	400	450	500
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16	16	16
code	540AIT015	540AIT020	540AIT025	540AIT032	540AIT040	540AIT050	516AIT065	516AIT080	516AIT100	516AIT125	516AIT150	516AIT200	516AIT250	516AIT300

■ not on stock, on request.

#### 540/516IIT - Stainless steel

CF8M body & ball - **PTFE seats** - EN 558 series 27 - **TS: -50°C/+230°C.**



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
face to face	115	120	125	130	140	150	170	180	190	325	350	400	450	500
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16	16	16
code	540IIT015	540IIT020	540IIT025	540IIT032	540IIT040	540IIT050	516IIT065	516IIT080	516IIT100	516IIT125	516IIT150	516IIT200	516IIT250	516IIT300

■ not on stock, on request.

#### 540/516AIGF - Carbon steel

A216WCB body - CF8M ball - **PTFE + 25% glass fiber seats** - EN 558 series 27 - **TS: -20°C/+230°C.**



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
face to face	115	120	125	130	140	150	170	180	190	325	350	400	450	500
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16	16	16
code	540AIGF015	540AIGF020	540AIGF025	540AIGF032	540AIGF040	540AIGF050	516AIGF065	516AIGF080	516AIGF100	516AIGF125	516AIGF150	516AIGF200	516AIGF250	516AIGF300

■ not on stock, on request.

**NEW**



### 540/516IGF - Stainless steel

CF8M body & ball - PTFE + 25% glass fiber seats - EN 558 series 27 - TS: -50°C/+230°C.

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
face to face	115	120	125	130	140	150	170	180	190	325	350	400	450	500
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16	16	16
code	540IGF015	540IGF020	540IGF025	540IGF032	540IGF040	540IGF050	516IGF065	516IGF080	516IGF100	516IGF125	516IGF150	516IGF200	516IGF250	516IGF300

not on stock, on request.

### 540/516AICG - Carbon steel

A216WCB body - CF8M ball - PTFE + 20% graphite seats - EN 558 series 27 - TS: -20°C/+260°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
face to face	115	120	125	130	140	150	170	180	190	325	350	400	450	500
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16	16	16
code	540AICG015	540AICG020	540AICG025	540AICG032	540AICG040	540AICG050	516AICG065	516AICG080	516AICG100	516AICG125	516AICG150	516AICG200	516AICG250	516AICG300

not on stock, on request.

### 540/516ICG - Stainless steel

CF8M body & ball - PTFE + 20% graphite seats - EN 558 series 27 - TS: -50°C/+260°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
face to face	115	120	125	130	140	150	170	180	190	325	350	400	450	500
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16	16	16
code	540ICG015	540ICG020	540ICG025	540ICG032	540ICG040	540ICG050	516ICG065	516ICG080	516ICG100	516ICG125	516ICG150	516ICG200	516ICG250	516ICG300

not on stock, on request.

### 540/516AIS - Carbon steel

A216WCB body - CF8M ball - STANSIT® seats (PTFE + 50% stainless steel) - EN 558 series 27 - TS: -20°C/+260°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
face to face	115	120	125	130	140	150	170	180	190	325	350	400	450	500
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16	16	16
code	540AIS015	540AIS020	540AIS025	540AIS032	540AIS040	540AIS050	516AIS065	516AIS080	516AIS100	516AIS125	516AIS150	516AIS200	516AIS250	516AIS300

not on stock, on request.

### 540/516IIS - Stainless steel

CF8M body & ball - STANSIT® seats (PTFE + 50% stainless steel) - EN 558 series 27 - TS: -50°C/+260°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
face to face	115	120	125	130	140	150	170	180	190	325	350	400	450	500
PS (bar)	40	40	40	40	40	40	16	16	16	16	16	16	16	16
code	540IIS015	540IIS020	540IIS025	540IIS032	540IIS040	540IIS050	516IIS065	516IIS080	516IIS100	516IIS125	516IIS150	516IIS200	516IIS250	516IIS300

not on stock, on request.

## ■ Flanged RF ANSI 150

### 515AIT - Carbon steel

A216WCB body - CF8M ball - PTFE seats - EN 558 series 3 up to 4", series 12 above - PS: 20 bar - TS: -29°C/+230°C.



NPS	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"
face to face	108	117	127	165	178	190	203	229	394	457	533	610
code	515AIT015	515AIT020	515AIT025	515AIT040	515AIT050	515AIT065	515AIT080	515AIT100	515AIT150	515AIT200	515AIT250	515AIT300

not on stock, on request.

NACE  
MR0175

### 515IIT - Stainless steel

CF8M body & ball - PTFE seats - EN 558 series 3 up to 4", series 12 above - PS: 20 bar - TS: -50°C/+230°C.



NPS	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"
face to face	108	117	127	165	178	190	203	229	394	457	533	610
code	515IIT015	515IIT020	515IIT025	515IIT040	515IIT050	515IIT065	515IIT080	515IIT100	515IIT150	515IIT200	515IIT250	515IIT300

not on stock, on request.

NACE  
MR0175

**NEW**

## ■ Flanged RF ANSI 300



### 530AIT - Carbon steel

A216WGB body - CF8M ball - PTFE seats - EN 558 series 4 up to 6" - PS: 50 bar - TS: -29°C/+230°C.

NPS	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"
face to face	140	152	165	190	216	282	305	403	502	568	648
code	530AIT015	530AIT020	530AIT025	530AIT040	530AIT050	530AIT080	530AIT100	530AIT150	530AIT200	530AIT250	530AIT300

NACE  
MR0175

not on stock,  
on request.



### 530IIT - Stainless steel

CF8M body & ball - PTFE seats - EN 558 series 4 up to 6" - PS: 20 bar - TS: -50°C/+230°C.

NPS	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"
face to face	140	152	165	190	216	282	305	403	502	568	648
code	530IIT015	530IIT020	530IIT025	530IIT040	530IIT050	530IIT080	530IIT100	530IIT150	530IIT200	530IIT250	530IIT300

NACE  
MR0175

not on stock,  
on request.

## ■ Options & spare parts



### 983013 - Stainless steel locking device

DN	15	20	25	32	40	50	65	80	100	125	150
code	9830130	9830130	9830130	9830131	9830132	9830132	9830133	9830134	9830135	9830136	9830137



### 98305 - Spare stainless steel lever

DN	15	20	25	32	40	50	65	80	100	125	150
code	9830513	9830513	9830513	9830514	9830515	9830515	9830516	9830517	9830518	9830519	9830520



### 98305 - Spare stainless steel oval wheel

DN	15	20	25	32	40	50
code	9830575	9830575	9830575	9830576	9830577	9830577



MOUNTING  
12 €/pc

### 98303/98304 - Spare gearbox

DN	125	150	200	200	250	300
ref.	all	all	515-516-316	540-530-340	all	all
code	9830397	9830397	9830398	9830399	9830400	9830401



### 98306 - Stainless steel stem extension

Height 100 mm

DN	15	20	25	32	40	50	65	80	100	125	150
code	9810615	9810615	9810615	9810616	9810617	9810617	9810618	9810619	9810620	9810621	9810622

not on stock,  
on request.



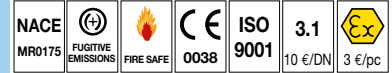
### 98306 - Stem extension with ISO pad

Height 100 mm

DN	15	20	25	32	40	50	65	80	100
carbon steel code	9810624	9810624	9810624	-	9810625	9810625	-	9810626	9810627
stainless steel code	9810628	9810628	9810628	-	9810629	9810629	-	9810630	9810631

## 3 piece body - ISO pad - Fire Safe

97/23/EC Directive N°0038 - Risk category III / module H - Face to face DIN 3202-4 M3 - Fire safe ISO 10497 - Fugitive emissions ISO 15848-1 class A - NACE MR0175 - RTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - TS: -28°C/+200°C.



### 712 - Carbon steel

A216WCB body - CF3 ball.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"*
PS (bar)	100	100	64	64	40	40	40	40	25	25	20
BSP code	712002	712003	712004	712005	712006	712007	712008	712009	712010	712011	712012
BW code	712108	712110	712115	712120	712125	712132	712140	712150	712165	712180	712199
SW code	712208	712210	712215	712220	712225	712232	712240	712250	712265	712280	712299

\* not fire safe. not on stock, on request. Approx. 4-5 weeks delivery time.

### 713 - Stainless steel

CF8M body - CF3M ball.

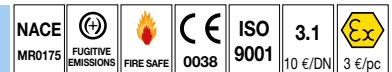


Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"*
PS (bar)	100	100	64	64	40	40	40	40	25	25	20
BSP code	713002	713003	713004	713005	713006	713007	713008	713009	713010	713011	713012
BW code	713108	713110	713115	713120	713125	713132	713140	713150	713165	713180	713199
SW code	713208	713210	713215	713220	713225	713232	713240	713250	713265	713280	713299

\* not fire safe. not on stock, on request. Approx. 4-5 weeks delivery time.

## Wafer

97/23/EC Directive N°0038 - Risk category III / module H - Fire safe ISO 10497 - Fugitive emissions ISO 15848-1 class A - NACE MR0175 - Flanged RF PN40 up to DN80, flanged RF PN16 above - PTFE seats - Full bore - Antistatic device - ISO pad - PS: 40 bar up to DN80, 16 bar above - TS: -28°C/+200°C.



### 720 - Carbon steel

A105 body - CF3 ball - EN 558 series 100 (except DN125).



DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	35	35	43	51	64	84	103	120	154	182	234	310
code	720015	720020	720025	720032	720040	720050	720066	720080	720100	720125	720150	720200

not on stock, on request. Approx. 4-5 weeks delivery time.

### 770 - Stainless steel

F316L body up to DN100, CF8M above - CF3M ball up to DN100, CF8 above - EN 558 series 100 (except DN125).



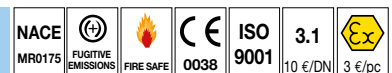
DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	35	35	43	51	64	84	103	120	154	182	234	310
code	770015	770020	770025	770032	770040	770050	770065	770080	770100	770125	770150	770200

not on stock, on request. Approx. 4-5 weeks delivery time.

## Split body

### Flanged RF PN40/16

97/23/EC Directive N°0038 - Risk category III / module H - Fire safe ISO 10497 - Fugitive emissions ISO 15848-1 class A - NACE MR0175 - Flanged RF PN40 up to DN80, flanged RF PN16 above - PTFE seats - Full bore - Antistatic device - ISO pad - PS: 40 bar up to DN80, 16 bar above - TS: -28°C/+200°C.



### 750 - Carbon steel

A105 body - CF3 ball - EN 558 series 27.



DN	15	20	25	32	40	50	65*	80	100	125	150
face to face	115	119	125	130	140	150	170	180	190	325	350
code	750015	750020	750025	750032	750040	750050	750065	750080	750100	750125	750150

\* Flanged RF PN16 - PS: 16 bar.

not on stock, on request. Approx. 4-5 weeks delivery time.



## 751 - Stainless steel

F316L body - CF3M ball - EN 558 series 27.

DN	15	20	25	32	40	50	65*	80	100
face to face	115	119	125	130	140	150	170	180	190
code	751015	751020	751025	751032	751040	751050	751065	751080	751100

\* Flanged RF PN16 - PS: 16 bar.

■ not on stock, on request. Approx. 4-5 weeks delivery time.

## ■ Flanged RF ANSI 150

97/23/EC Directive N°0038 - Risk category III / module H - Fire safe ISO 10497 - Fugitive emissions ISO 15848-1 class A - NACE MR0175 - Flanged RF ANSI 150 - PTFE seats - Full bore - Antistatic device - ISO pad - PS: 20 bar - TS: -28°C/+200°C.



## 766 - Carbon steel

A105 body - CF3 ball - EN 558 series 3.

NPS	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
face to face	108	118,5	126	165	178	190	203	229
code	766015	766020	766025	766040	766050	766065	766080	766100



## 767 - Stainless steel

F316L body - CF3M ball - EN 558 series 3.

NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
face to face	108	118,5	126	140	165	178	190	203	229
code	767015	767020	767025	767032	767040	767050	767065	767080	767100

■ not on stock, on request. Approx. 4-5 weeks delivery time.

## ■ Flanged RF PN25

97/23/EC Directive N°0038 - Risk category III / module H - Fire safe ISO 10497 - Fugitive emissions ISO 15848-1 class A - NACE MR0175 - Flanged RF PN25 - PTFE seats - Full bore - Antistatic device - ISO pad - PS: 25 bar - TS: -28°C/+200°C.



## 754 - Carbon steel

A105 body - CF3 ball - EN 558 series 28.

DN	15	20	25	32	40	50	65	65*	80	100
face to face	130	150	160	180	200	230	290	290	310	350
code	754015	754020	754025	754032	754040	754050	754065	754066	754080	754100

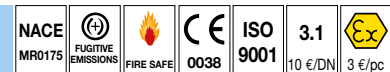
\* Flanged RF PN16 - PS: 16 bar.

■ not on stock, on request. Approx. 4-5 weeks delivery time.

Stainless steel execution fig. 755 available on request, please consult

## ■ Flanged RF ANSI 300

97/23/EC Directive N°0038 - Risk category III / module H - Fire safe ISO 10497 - Fugitive emissions ISO 15848-1 class A - NACE MR0175 - Flanged RF ANSI 300 - PTFE seats - Full bore - Antistatic device - ISO pad - PS: 50 bar - TS: -28°C/+200°C.



## 758 - Carbon steel

A105 body - CF3 ball - EN 558 series 4.

NPS	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
face to face	140	151	165	191	216	241	283	305
code	758015	758020	758025	758040	758050	758065	758080	758100

■ not on stock, on request. Approx. 4-5 weeks delivery time.

Stainless steel execution fig. 759 available on request, please consult



Manual ball valves equipped with SF012 limit switch box IP67 - SPDT 250V-5A (see features of the limit switch box page 85).

ISO  
9001

## 2 way



### 502 - Brass

CW617N body - PTFE seats - Full bore - PS: 16 bar - TS: -10°C/+100°C.

Ø	code
1/2"	2700020462012
3/4"	2700030462012
1"	2700040462012
1"1/4	2700050462012
1"1/2	2700060462012
2"	2700070462012
2"1/2	2700380462012
3"	2700390462012
4"	2700400462012



### 715XS - Stainless steel

CF8M body - PTFE seats - Full bore - PS: 63 bar - TS: -10°C/+180°C.

Ø	code
1/2"	2724020462012
3/4"	2724030462012
1"	2724040462012
1"1/4	2724050462012
1"1/2	2724060462012
2"	2724070462012



### 736XS - Carbon steel

A216WCB body - PTFE seats - Full bore - PS: 63 bar - TS: -10°C/+180°C.

Ø	736XS code
1/4"	2710400462012
3/8"	2710410462012
1/2"	2714620462012
3/4"	2714630462012
1"	2714640462012
1"1/4	2714650462012
1"1/2	2714660462012
2"	2714670462012
2"1/2	2714680462012
3"	2714690462012
4"	2714700462012

### 746XS - Stainless steel

CF8M body - PTFE seats - Full bore - PS: 63 bar - TS: -10°C/+180°C.

Ø	746XS code
1/4"	2725000462012
3/8"	2725010462012
1/2"	2726420462012
3/4"	2726430462012
1"	2726440462012
1"1/4	2726450462012
1"1/2	2726460462012
2"	2726470462012
2"1/2	2726480462012
3"	2726490462012
4"	2726500462012

also available	736 XS	734 XS	735 XS
code	27146...	27148...	27150...

also available	746 XS	745 XS	743 XS
code	27264...	27266...	27268...

on request



### 703XS - Stainless steel

CF8M body - PTFE seats - Full bore - PS: 137 bar - TS: -10°C/+220°C.

Ø	BSP code
1/2"	2713720462012
3/4"	2713730462012
1"	2713740462012
1"1/4	2713750462012
1"1/2	2713760462012
2"	2713770462012

Ø	BW code
1/2"	2713820462012
3/4"	2713830462012
1"	2713840462012
1"1/4	2713850462012
1"1/2	2713860462012
2"	2713870462012

on request

## 762 - Carbon steel

A216WCB body - RTFE seats - Full bore - PS: 16 bar - TS: -20°C/+150°C.



DN	762 code
15	2742420462012
20	2742430462012
25	2742440462012
32	2742450462012
40	2742460462012
50	2742470462012
65	2742480462012
80	2742490462012
100	2742500462012
125	2742510462012
150	2742520462012

## 763 - Stainless steel

CF8M body - RTFE seats - Full bore - PS: 16 bar - TS: -20°C/+150°C.

DN	763 code
15	2743620462012
20	2743630462012
25	2743640462012
32	2743650462012
40	2743660462012
50	2743670462012
65	2743680462012
80	2743690462012
100	2743700462012
125	2743710462012
150	2743720462012



## 752 - Carbon steel

A216WCB body - RTFE seats - Full bore - PS: 16 bar - TS: -20°C/+200°C.



DN	752 code
15	2742820462012
20	2742830462012
25	2742840462012
32	2742850462012
40	2742860462012
50	2742870462012
65	2742880462012
80	2742890462012
100	2742900462012
125	2742910462012
150	2742920462012

## 753 - Stainless steel

CF8M body - RTFE seats - Full bore - PS: 16 bar - TS: -20°C/+200°C.

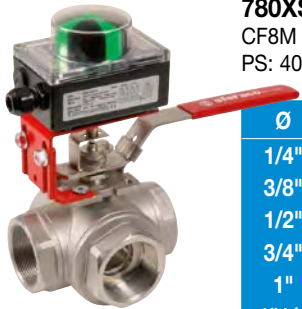
DN	753 code
15	2744020462012
20	2744030462012
25	2744040462012
32	2744050462012
40	2744060462012
50	2744070462012
65	2744080462012
80	2744090462012
100	2744100462012
125	2744110462012
150	2744120462012



## 3 way

### 780XS - Stainless steel - L port

CF8M body - PTFE seats - Reduced bore - PS: 40 bar - TS: -10°C/+140°C.



Ø	780XS L code
1/4"	2754000462012
3/8"	2754010462012
1/2"	2754020462012
3/4"	2754030462012
1"	2754040462012
1"1/4	2754050462012
1"1/2	2754060462012
2"	2754070462012

### 781XS - Stainless steel - T port

CF8M body - PTFE seats - Reduced bore - PS: 40 bar - TS: -10°C/+140°C.

Ø	781XS T code
1/4"	2754200462012
3/8"	2754210462012
1/2"	2754220462012
3/4"	2754230462012
1"	2754240462012
1"1/4	2754250462012
1"1/2	2754260462012
2"	2754270462012



## 783 - Carbon steel - L port

A216WCB body - PTFE seats - Full bore - PS: 16 bar - TS: -20°C/+150°C.



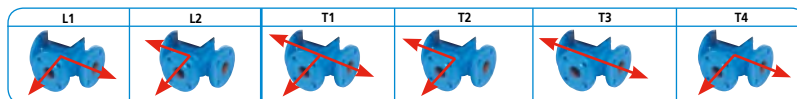
DN	783 L code
25	2756740462012
32	2756750462012
40	2756760462012
50	2756770462012
65	2756780462012
80	2756790462012
100	2756800462012
125	2756810462012
150	2756820462012

## 784 - Carbon steel - T port

A216WCB body - PTFE seats - Full bore - PS: 16 bar - TS: -20°C/+150°C.

DN	784 T code
25	2756840462012
32	2756850462012
40	2756860462012
50	2756870462012
65	2756880462012
80	2756890462012
100	2756900462012
125	2756910462012
150	2756920462012

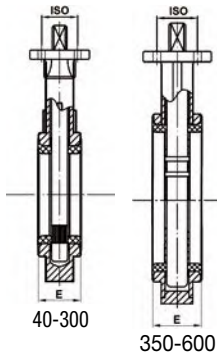
Stainless steel (785 L & 786 T) on request



T port: mention 2 consecutive positions (example: T3/T4).

## Cast iron - GG25

97/23/EC Directive N°0035 - Risk category III / module H up to DN600, risk category I above - Lloyd's Register Type Approval for marine applications - GG25 body up to DN600, GGG40 above - Epoxy coated - ISO pad - PS: 16 bar up to DN300, 10 bar above - TS with EPDM seat: -10°C/+110°C (temporarily +130°C).



Face to face according to EN 558 series 20 / ISO pad according to ISO 5211

DN	32/40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
face to face "E"	33	43	46	46	52	56	56	60	68	78	78	102	114	127	154	163	188	203	216
ISO pad	F05	F05	F05	F05	F05	F07	F07	F10	F12	F12	F12	F12	F16	F16	F16	F25	F25	F25	F25
square drive	9	9	9	9	11	14	14	17	22	27	27	27	30	36	40	Ø 63,35	Ø 63,35	Ø 75	Ø 85

## ■ Wafer - Between flanges PN10/16, ANSI 150 (up to DN600) & JIS 10K (up to DN300)



### 1125 - Lever - Disc GGG40 nickel plated / Seat EPDM

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1125040	1125050	1125065	1125080	1125100	1125125	1125150	1125200	1125250	1125300



### 1125 - Gearbox - Disc GGG40 nickel plated / Seat EPDM

DN	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
PS (bar)	16	16	16	16	16	16	10	10	10	10	10	10	10	10	10
code	1125102	1125127	1125152	1125202	1125252	1125302	1125350	1125400	1125450	1125500	1125600	1125700	1125800	1125900	1125990



### 1123 - Lever - Disc CF8M / Seat EPDM

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1123040	1123050	1123065	1123080	1123100	1123125	1123150	1123200	1123250	1123300



### 1123 - Gearbox - Disc CF8M / Seat EPDM

DN	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
PS (bar)	16	16	16	16	16	16	10	10	10	10	10	10	10	10	10
code	1123102	1123127	1123152	1123202	1123252	1123302	1123350	1123400	1123450	1123500	1123600	1123700	1123800	1123900	1123990



### 1121 - Lever - Disc CF8M / Seat NBR - TS: -10°C/+80°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1121040	1121050	1121065	1121080	1121100	1121125	1121150	1121200	1121250	1121300

## ■ Lug - Between flanges PN10/16



### 1135 - Lever - Disc GGG40 nickel plated / Seat EPDM

DN	.../10: flanges PN10							.../16: flanges PN16					
	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
PS (bar)	16	16	16	16	16	16	16	10	16	10	16	10	16
code	1135040	1135050	1135065	1135080	1135100	1135125	1135150	1135200	1135201	1135250	1135251	1135300	1135301



### 1135 - Gearbox - Disc GGG40 nickel plated / Seat EPDM

DN	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	10/16*	10/16*	10/16*	10	10	10	10	10
PN10 code	-	-	-	1135202	1135252	1135302	1135350	1135400	1135450	1135500	1135600
PN16 code	1135102	1135127	1135152	1135203	1135253	1135303	1135351	1135401	1135451	1135501	1135601

\* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.



### 1133 - Lever - Disc CF8M / Seat EPDM

DN	.../10: flanges PN10							.../16: flanges PN16					
	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
PS (bar)	16	16	16	16	16	16	16	10	16	10	16	10	16
code	1133040	1133050	1133065	1133080	1133100	1133125	1133150	1133200	1133201	1133250	1133251	1133300	1133301



### 1133 - Gearbox - Disc CF8M / Seat EPDM

DN	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	10/16*	10/16*	10/16*	10	10	10	10	10
PN10 code	-	-	-	1133202	1133252	1133302	1133350	1133400	1133450	1133500	1133600
PN16 code	1133102	1133127	1133152	1133203	1133253	1133303	1133351	1133401	1133451	1133501	1133601

\* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.

## ■ Options & spare parts



### 1198 - Spare gearbox (only for butterfly valves 1125, 1123, 1121, 1135 & 1133)

DN	40	50	65	80	100	125	150	200	250	300
code	1198001	1198001	1198001	1198001	1198002	1198003	1198003	1198004	1198005	1198006

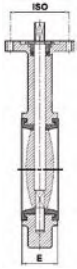


### Spare lever (only for butterfly valves 1125, 1123, 1121, 1135 & 1133)

DN	40	50	65	80	100	125	150	200	250	300
code	9831244	9831244	9831244	9831244	9831249	9831245	9831245	9831246	9831247	9831248



## Ductile iron - GGG40



97/23/EC Directive N°0035 - Risk category III / module H - GGG40 body - Epoxy coated - ISO pad - PS: 16 bar up to DN300, 10 bar above - Supplied with gearbox above DN300.

CE 0035	ISO 9001	3.1 10 €/DN
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Face to face according to EN 558 series 20 / ISO pad according to ISO 5211

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face "E"	33	43	46	46	52	56	56	60	68	78	78	102	114	127	154
ISO pad	F07	F07	F07	F07	F07	F07	F07	F10	F10	F10	F10	F14	F14	F14	F16
square drive	9	9	9	9	11	14	14	17	22	22	22	27	27	36	36

## Wafer - Between flanges PN10/16 & ANSI 150

**1170** - Disc **GGG40 epoxy coated** / Seat **EPDM**

TS: -10°C/+110°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	16	16	16	10	10	10	10	10	10	10	10	10
code	1170040	1170050	1170065	1170080	1170100	1170125	1170150	1170200	1170250	1170300	1170350	1170400	1170450	1170500	1170600

**1173** - Disc **CF8M** / Seat **High temperature EPDM**

TS: -10°C/+130°C.

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
code	1173040	1173050	1173065	1173080	1173100	1173125	1173150	1173200	1173250	1173300	1173350	1173400	1173450	1173500

not on stock, on request.

**1174** - Disc **Aluminium bronze** / Seat **NBR**

TS: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1174040	1174050	1174065	1174080	1174100	1174125	1174150	1174200	1174250	1174300

not on stock, on request.

## Lug - Between flanges PN10/16

**1175** - Disc **GGG40 epoxy coated** / Seat **EPDM**

TS: -10°C/+110°C.



DN	40	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	16	16	16	16	16	16	16	10/16*	10/16*	10/16*	10/16*	10/16*
PN10 code	-	-	-	-	-	-	-	1175200	1175250	1175300	1175350	1175400
PN16 code	1175040	1175050	1175065	1175080	1175100	1175125	1175150	1175201	1175251	1175301	1175351	1175401

\* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.

**1176** - Disc **CF8M** / Seat **High temperature EPDM**

TS: -10°C/+130°C.

DN	40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	10/16*	10/16*	10/16*
PN10 code	-	-	-	-	-	-	-	1176200	1176250	1176300
PN16 code	1176040	1176050	1176065	1176080	1176100	1176125	1176150	1176201	1176251	1176301

\* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.

not on stock, on request.

## Options & spare parts



MOUNTING  
12 €/pc

**1192** - Spare gearbox (only for butterfly valves 1170, 1173, 1174, 1175 & 1176)

DN	40	50	65	80	100	125	150	200	250	300
code	1192001	1192001	1192001	1192001	1192002	1192003	1192003	1192004	1192005	1192006

**Spare lever** (only for butterfly valves 1170, 1173, 1174, 1175 & 1176)

DN	40	50	65	80	100	125	150	200	250	300
code	9831150	9831150	9831150	9831150	9831151	9831152	9831152	9831153	9831154	9831154

## Spare seat

Spare EPDM & NBR seats available on request, please consult



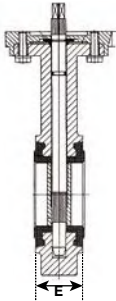
## Ductile iron - GGG50

2014/68/EU Directive N°0038 - Risk category III / module H - GGG50 body - Rilsan coated - ISO pad - PS: 16 bar up to DN300, 10 bar above - Gearbox recommended above DN200 - Supplied bare shaft above DN300 or with gearbox on specific reference.



### General certifications & approvals on TTV valves

PED	ISO	MARINE	GAS	ATEX	VOLKSWAGEN	NATO



Face to face according to EN 558 series 20 / ISO pad according to ISO 5211

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face "E"	33	43	46	46	52	56	56	60	68	78	78	102	114	127	154
ISO pad	F7	F7	F7	F7	F7	F7	F7	F7	F10	F10	F14	F14	F14	F14	F16
square drive	8	8	9	11	11	14	14	17	19	22	22	27	Ø 50*	Ø 50*	Ø 60*

\* splined shaft.

### ■ Wafer - Between flanges PN10/16 - ANSI 150 (up to DN400 / PN10 above)

**1150** - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** from DN125 to DN300, Disc **GGG50 rilsan coated** above / Seat **EPDM**

TS: -10°C/+110°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
lever code	1150040	1150050	1150065	1150080	1150100	1150125	1150150	1150200	1150250	1150300	1150350	1150400	1150450	1150500	1150600
gearbox code	-	-	-	-	-	-	-	-	-	-	1150352	1150402	1150452	1150502	1150602

■ not on stock, on request.

### **1153** - Disc **CF8M** / Seat **EPDM**

TS: -10°C/+110°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
lever code	1153040	1153050	1153065	1153080	1153100	1153125	1153150	1153200	1153250	1153300	1153350	1153400	1153450	1153500
gearbox code	-	-	-	-	-	-	1153152	1153202	1153252	1153302	1153352	1153402	1153452	1153502

■ not on stock, on request.

### **1149** - Disc **CF8M** / Seat **High temperature EPDM**

TS: -10°C/+130°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
code	1149040	1149050	1149065	1149080	1149100	1149125	1149150	1149200	1149250	1149300	1149350	1149400	1149450	1149500

■ not on stock, on request.

### **1152** - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** from DN125 to DN300,

Disc **GGG50 rilsan coated** above / Seat **NBR**

TS: -10°C/+90°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
lever code	1152040	1152050	1152065	1152080	1152100	1152125	1152150	1152200	1152250	1152300	1152350	1152400	1152450	1152500
gearbox code	-	-	-	-	-	-	-	-	-	-	1152352	1152402	1152452	1152502

■ not on stock, on request.

### **1151** - Disc **CF8M** / Seat **NBR**

TS: -10°C/+90°C.



DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1151040	1151050	1151065	1151080	1151100	1151125	1151150	1151200	1151250	1151300



**1156** - Disc **CF8M** / Seat **White NBR**

TS: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1156040	1156050	1156065	1156080	1156100	1156125	1156150	1156200	1156250	1156300



**1158** - Disc **Aluminium bronze** / Seat **NBR**

TS: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
code	1158040	1158050	1158065	1158080	1158100	1158125	1158150	1158200	1158250	1158300	1158350	1158400	1158450	1158500

■ not on stock, on request.



**1147** - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above / Seat **Carboxylated NBR**

TS: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1147040	1147050	1147065	1147080	1147100	1147125	1147150	1147200	1147250	1147300



**1154** - Disc **CF8M** / Seat **FKM**

TS: -5°C/+180°C.

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
lever code	1154040	1154050	1154065	1154080	1154100	1154125	1154150	1154200	1154250	1154300	1154350	1154400	1154450	1154500
gearbox code	-	-	-	-	-	-	-	-	-	-	1154352	1154402	-	-

■ not on stock, on request.



**1157** - Disc **CF8M** / Seat **Silicone**

TS: -30°C/+150°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1157040	1157050	1157065	1157080	1157100	1157125	1157150	1157200	1157250	1157300

■ not on stock, on request.



**1183** - Disc **Polished CF8M** / Seat **Alimentary silicone**

TS: -30°C/+150°C.

DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1183040	1183050	1183065	1183080	1183100	1183125	1183150	1183200	1183250	1183300

■ not on stock, on request.



**1141** - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above / Seat **NBR**

For gas - PS: 5 bar (class MOP5) - TS: -20°C/+60°C.

DN	32-40	50	65	80	100	125	150	200
PS (bar)	5	5	5	5	5	5	5	5
code	1141040	1141050	1141065	1141080	1141100	1141125	1141150	1141200





**1145 - Disc CF8M / Seat Teflon® with silicone liner**  
TS: -25°C/+200°C.



DN	32-40	50	65	80	100	125	150	200	250*	300*
PS (bar)	16	16	16	16	16	16	16	10	10	10
code	1145040	1145050	1145065	1145080	1145100	1145125	1145150	1145200	1145250	1145300

\* Includes gearbox.



**1155 - Disc CF8M + Teflon® / Seat Teflon® with silicone liner**  
TS: -25°C/+200°C.



DN	32-40	50	65	80	100	125	150	200	250*	300*
PS (bar)	16	16	16	16	16	16	16	10	10	10
code	1155040	1155050	1155065	1155080	1155100	1155125	1155150	1155200	1155250	1155300

\* Includes gearbox.

Lug type fig. 1165 available on request, please consult



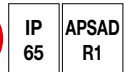
**1144 - Disc CF8M up to DN100, Disc GGG50 epoxy coated above / Seat EPDM**  
For fire network - FM approved - With gearbox & limit switches - TS: -10°C/+110°C.



DN	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16
code	1144050	1144065	1144080	1144100	1144125	1144150	1144200	1144250	1144300



**1142/1148 - Disc CF8M up to DN100, Disc GGG50 epoxy coated above / Seat EPDM**  
For fire network - Acc. to APSAD R1 - With gearbox (& limit switches for 1142) - TS: -10°C/+110°C.



DN	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16
1142 code	1142050	1142065	1142080	1142100	1142125	1142150	1142200	1142250	1142300
1148 code	1148050	1148065	1148080	1148100	1148125	1148150	1148200	1148250	1148300

**NEW**

## ■ Wafer - Between flanges PN25



**1187 - Disc CF8M / Seat EPDM**

DN	50	65	80	100	125	150
PS (bar)	25	25	25	25	25	25
code	1187050	1187065	1187080	1187100	1187125	1187150

## ■ Lug - Between flanges PN10/16



**1160 - Disc CF8M up to DN100, Disc GGG50 epoxy coated from DN125 to DN300, Disc GGG50 rilsan coated above / Seat EPDM**  
TS: -10°C/+110°C.



DN	.../10: flanges PN10								.../16: flanges PN16						
	32	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	350/10	400/10
PS (bar)	16	16	16	16	16	16	16	16	10	16	10	16	10	10	10
lever code	1160032	1160040	1160050	1160065	1160080	1160100	1160125	1160150	1160200	1160201	1160250	1160251	1160300	1160350	1160400
gearbox code	-	-	-	-	-	-	-	-	-	-	-	-	-	1160352	1160402



**1163 - Disc CF8M / Seat EPDM**  
TS: -10°C/+110°C.



DN	.../10: flanges PN10								.../16: flanges PN16						
	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16	350/10	400/10
PS (bar)	16	16	16	16	16	16	16	10	16	10	16	10	16	10	10
code	1163040	1163050	1163065	1163080	1163100	1163125	1163150	1163200	1163201	1163250	1163251	1163300	1163301	1163350	1163400





**1162** - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above / Seat **NBR**  
TS: -10°C/+90°C.

		Flanges PN10								
DN		40	50	65	80	100	125	150	200	250
PS (bar)		16	16	16	16	16	16	16	10	10
code		1162040	1162050	1162065	1162080	1162100	1162125	1162150	1162200	1162250



**1164** - Disc **CF8M** / Seat **FKM**  
TS: -5°C/+180°C.

		Flanges PN10							
DN		40	50	65	80	100	125	150	200
PS (bar)		16	16	16	16	16	16	16	10
code		1164040	1164050	1164065	1164080	1164100	1164125	1164150	1164200



**1181** - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above / Seat **NBR**  
For gas - PS: 5 bar (class MOP5) - TS: -20°C/+60°C.

		Flanges PN10							
DN		40	50	65	80	100	125	150	200
PS (bar)		5	5	5	5	5	5	5	5
code		1181040	1181050	1181065	1181080	1181100	1181125	1181150	1181200



**1166** - Disc **CF8M** / Seat **Teflon®** with silicone liner  
TS: -25°C/+200°C.

		Flanges PN10							
DN		40	50	65	80	100	125	150	200
PS (bar)		16	16	16	16	16	16	16	10
code		1166040	1166050	1166065	1166080	1166100	1166125	1166150	1166200



**1182** - Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above / Seat **EPDM**  
For fire network - FM approved - With gearbox & limit switches - TS: -10°C/+110°C.

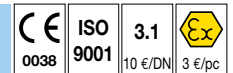
		Flanges PN16								
DN		50	65	80	100	125	150	200	250	300
PS (bar)		16	16	16	16	16	16	16	16	16
code		1182050	1182065	1182080	1182100	1182125	1182150	1182200	1182250	1182300



## Carbon steel & stainless steel



97/23/EC Directive N°0038 - Risk category III / module H - Between flanges PN10/16 & ANSI 150 - Metal seat - ISO pad - PS: 16 bar - Uncomplete tightness: loss factor 2% of Kvs - ⚠️ **Not suitable for steam.**



**1111** - Body **A216WCB** / Disc **CF8M** up to DN100, Disc **GGG50 epoxy coated** above  
TS: -20°C/+350°C.

DN	32-40	50	65	80	100	125	150	200	250	300
code	1111040	1111050	1111065	1111080	1111100	1111125	1111150	1111200	1111250	1111300

Available up to DN1400 on request



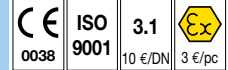
**1112** - Body & Disc **CF8M**  
TS: -30°C/+350°C.

DN	32-40	50	65	80	100	125	150	200
code	1112040	1112050	1112065	1112080	1112100	1112125	1112150	1112200

## Carbon steel & stainless steel



97/23/EC Directive N°0038 - Risk category III / module H - Wafer - Between flanges PN10/16 & ANSI 150 - PS: 16 bar.



**1184** - Body **CF8M** / Disc **CF8M** / Seat **EPDM**

TS: -10°C/+110°C.

DN	32-40	50	65	80	100	125	150	200	250	300
code	1184040	1184050	1184065	1184080	1184100	1184125	1184150	1184200	1184250	1184300

## Accessories & spare parts for TTV butterfly valves



**1197** - Spare gearbox with position indicator

DN	50	65	80-100	125-150	200	250	300	350	400	450	500	600
code	1197050	1197065	1197100	1197150	1197200	1197250	1197300	1197350	1197400	1197451	1197501	1197601



**1194** - Chain wheel gearbox

DN	40-50	65	80-100	125-150	200	250	300	350	400
code	1194050	1194065	1194100	1194150	1194200	1194250	1194300	1194350	1194400

**Chain**

	per m
code	9866209



**1196** - Cast iron sleeve - To fit in EN 558 series 14 spacing (without flange & bolts)

DN	40	50	65	80	100	125	150	200
length	107	107	124	134	136	144	154	170
DIN total length	140	150	170	180	190	200	210	230
code	1196040	1196050	1196065	1196080	1196100	1196125	1196150	1196200

**983120** - Spare aluminium lever



DN	40	50	65	80	100	125	150	200	250	300
code	9831201	9831201	9831202	9831203	9831203	9831204	9831204	9831205	9831206	9831207

**983126** - Stainless steel lever & plate

To be ordered along with the valve, delivered from factory.



DN	40	50	65	80	100	125	150	200
code	9831260	9831260	9831261	9831262	9831262	9831263	9831263	9831264

**Spare seats**

**EPDM**  
-10°C/+110°C

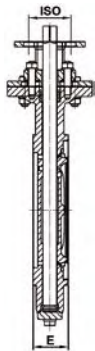
**NBR**  
-10°C/+90°C

**FKM**  
-5°C/+180°C

**SILICONE**  
-30°C/+150°C

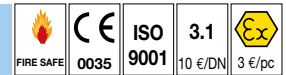
**CARBOXYL. NBR**  
-10°C/+90°C

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
code	9865000	9865001	9865002	9865003	9865004	9865005	9865006	9865007	9865050	9865051	9865220	9865221	9865222	9865223	9865224
code	9865108	9865109	9865110	9865111	9865112	9865113	9865114	9865115	9865116	-	-	-	-	-	-
code	9865133	9865124	9865125	9865126	9865127	9865128	9865129	9865130	9865131	9865132	-	-	-	-	-
code	-	9865117	9865118	9865119	9865120	9865121	9865122	9865123	9865134	9865135	-	-	-	-	-
code	9865230	9865231	9865232	9865233	9865234	9865235	9865236	9865237	9865238	9865239	-	-	-	-	-



## Carbon steel & stainless steel

97/23/EC Directive N°0035 - Risk category III / module H - Fire safe ISO 10497 - PTFE seats (15% graphite filled) - ISO pad - TS: -29°C/+210°C - **Supplied with gearbox above DN150 or 6" - ⚠ Steam up to 10 bar max.**



Face to face according to EN 558 series 20 / ISO pad according to ISO 5211

DN	40	65	80	100	125	150	200	250	300	350	400
face to face "E"	43	46	47	53	57	56	62	68	78	78	102
ISO pad	F07/F05	F07/F05	F10/F07	F10/F07	F10/F07	F10/F07	F12/F10	F12/F10	F14/F12	F14/F12	F16/F14
square drive	11	11	14	14	17	17	19	22	27	27	36

### ■ Wafer - Between flanges PN16/25

#### 1113 - Body **A216WCB** / Disc **CF8M**

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	25	25	25	16/25*	16/25*	16/25*	16/25*	16/25*	16/25*	25	25
PN16 code	-	-	-	1113101	1113126	1113151	1113201	1113251	1113301	-	-
PN25 code	1113050	1113065	1113080	1113100	1113125	1113150	1113200	1113250	1113300	1113350	1113400

\* PS: 16 bar for PN16 valves, 25 bar for PN25 valves.

#### 1114 - Body **CF8M** / Disc **CF8M**

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	25	25	25	25	25	25	25	25	25	25	25
PN25 code	1114050	1114065	1114080	1114100	1114125	1114150	1114200	1114250	1114300	1114350	1114400

### ■ Wafer - Between flanges ANSI 150

#### 1115 - Body **A216WCB** / Disc **CF8M**

NPS	2"	2"1/2	3"	4"	5"	6"	8"	10"	12"	14"
PS (bar)	20	20	20	20	20	20	20	20	20	20
code	1115050	1115065	1115080	1115100	1115125	1115150	1115200	1115250	1115300	1115350

#### 1116 - Body **CF8M** / Disc **CF8M**

NPS	2"	2"1/2	3"	4"	5"	6"	8"
PS (bar)	20	20	20	20	20	20	20
code	1116050	1116065	1116080	1116100	1116125	1116150	1116200

### ■ Options & spare parts

#### 1193 - Spare gearbox with position indicator (only for butterfly valves 1113, 1114, 1115 & 1116)

DN	50	65	80	100	125	150
NPS	2"	2"1/2	3"	4"	5"	6"
code	1193001	1193001	1193002	1193003	1193004	1193004

#### 983132 - Spare ductile iron lever (only for butterfly valves 1113, 1114, 1115 & 1116)

DN	50	65	80	100	125	150
NPS	2"	2"1/2	3"	4"	5"	6"
code	9831320	9831320	9831321	9831321	9831322	9831322



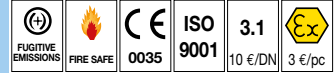
12 €/pc



## Carbon steel



97/23/EC Directive N°0035 - Risk category III / module H - Fugitive emissions ISO 15848-1 class C - Fire safe ISO 10497 - PTFE seats (15% graphite filled) - ISO pad - TS: -39°C/+349°C -  
 ⚠ Supplied bear shaft - ⚠ Steam up to 30 bar max.



Face to face according to EN 558 series 109 / ISO pad according to ISO 5211

	100	150	200	250	300
face to face "E"	54	59	73	83	92
ISO pad	F10/F07	F10/F07	F12/F10	F14/F12	F16/F14
square drive	17,9	21,9	29,9	37,7	44,7



### ■ Lug - Between flanges PN40

1118 - Body **A216WCB** / Disc **CF8M**

	100	150	200	250	300
PS (bar)	40	40	40	40	40
code	1118100	1118150	1118200	1118250	1118300



1191 - Spare gearbox

	100	150	200	250	300
code	1191003	1191004	1191005	1191006	1191007

# Butterfly valves with limit switch box

Manual valves equipped with SF012 limit switch box IP67 - SPDT 250V-5A (see features page 85).



1150 - Disc **GGG50** (Disc **CF8M** up to DN100) / Seat **EPDM** - See features of the valve page 46.

1153 - Disc **CF8M** / Seat **EPDM** - See features of the valve page 46.



DN	1150 code
40	2603030462012
50	2603040462012
65	2603050462012
80	2603060462012
100	2603070462012
125	2603080462012
150	2603090462012
200	2603100462012

DN	1153 code
40	2603630462012
50	2603640462012
65	2603650462012
80	2603660462012
100	2603670462012
125	2603680462012
150	2603690462012
200	2603700462012

Manual valves equipped with Atex SK012 limit switch box IP67 - SPDT 250V-5A (see features page 86) - Protection rating C & C



1141 - Disc **GGG50** (Disc **CF8M** up to DN100) / Seat **NBR** - See features of the valve page 47.

DN	code
40	2605930477012
50	2605940477012
65	2605950477012
80	2605960477012
100	2605970477012
125	2605980477012
150	2605990477012
200	2606000477012



## Unidirectional tightness

Excluded from 2014/68/EU Directive (art. 4, §4) - Unidirectional tightness: specific mounting position - Between flanges PN10 - Rising stem, non rising hand wheel - Rilsan painted.



ISO 9001 3.1  
10 €/DN



### Handwheel operated

#### 170 - Cast iron - NBR seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+90°C.

#### 171 - Cast iron - EPDM seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+110°C.

#### 176 - Cast iron - Metal seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+90°C - Incomplete tightness: loss factor 1%.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
PS (bar)	10	10	10	10	10	10	10	8	6	4	4	3	3	3	2	2
170 code	170050	170065	170080	170100	170125	170150	170200	170250	170300	170350	170400	170450	170500	170600	170700	170800
171 code	171050	171065	171080	171100	171125	171150	171200	171250	171300	171350	171400	171450	171500	171600	-	-
176 code	176050	176065	176080	176100	176125	176150	176200	176250	176300	-	-	-	-	-	-	-



#### 172 - Stainless steel - EPDM seat

CF8M body - Stainless steel F316 gate - TS: -15°C/+110°C.

#### 173 - Stainless steel - Metal seat

CF8M body - Stainless steel F316 gate - TS: -15°C/+110°C - Incomplete tightness: loss factor 1%.

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	10	10	10	8	6	4	4
172 code	172050	172065	172080	172100	172125	172150	172200	172250	172300	172350	172400
173 code	173050	173065	173080	173100	173125	173150	173200	173250	173300	173350	173400

not on stock, on request.

### Handwheel operated - With limit switch

#### 170 - Cast iron - NBR seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+90°C - Limit switch for open position.

DN	100	125	150	200	250	300	350	400	450	500	600	700	800
PS (bar)	10	10	10	10	8	6	4	4	3	3	3	2	2
code	170101	170126	170151	170201	170251	170301	170351	170401	170451	170501	170601	170701	170801

### Quick opening - Lever operated

#### 170 - Cast iron - NBR seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+90°C.

DN	80	100	125	150
PS (bar)	10	10	10	10
code	170083	170103	170127	170153

### ISO pad for electric actuator

Same features as above, except: F10 ISO pad.

#### 170 ISO - Cast iron - NBR seat

#### 171 ISO - Cast iron - EPDM seat

#### 176 ISO - Cast iron - Metal seat

DN	50	65	80	100	125	150	200	250	300	350	400
stem (Ø x pitch)	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	25 x 5	25 x 5	25 x 5	35 x 6	35 x 6
stem length (mm)	160	175	180	205	230	265	320	370	420	500	555
nbr. of turns	13	16	20	25	31	38	40	50	60	58	67
torque (Nm)	20	22	25	30	35	40	46	52	60	80	110
170 ISO code	440004ISO	440005ISO	440006ISO	440007ISO	440008ISO	440009ISO	440010ISO	440011ISO	440012ISO	440013ISO	440014ISO
171 ISO code	441004ISO	441005ISO	441006ISO	441007ISO	441008ISO	441009ISO	441010ISO	441011ISO	441012ISO	441013ISO	441014ISO
176 ISO code	446004ISO	446005ISO	446006ISO	446007ISO	446008ISO	446009ISO	446010ISO	446011ISO	446012ISO	-	-





**172 ISO - Stainless steel - EPDM seat**

**173 ISO - Stainless steel - Metal seat**

DN	50	65	80	100	125	150	200	250	300	350	400
stem (Ø x pitch)	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	25 x 5	25 x 5	25 x 5	35 x 6	35 x 6
stem length (mm)	160	175	180	205	230	265	320	370	420	500	555
nbr. of turns	13	16	20	25	31	38	40	50	60	58	67
torque (Nm)	20	22	25	30	35	40	46	52	60	80	110
172 ISO code	445004ISO	445005ISO	445006ISO	445007ISO	445007ISO	445009ISO	445010ISO	445011ISO	445012ISO	445013ISO	445014ISO
173 ISO code	444004ISO	444005ISO	444006ISO	444007ISO	444008ISO	444009ISO	444010ISO	444011ISO	444012ISO	444013ISO	444014ISO

## Options & spare parts for unidirectional valves only

**Spare tightness kit for unidirectional valves** (mounted on the valve when ordered at the same time)

	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
<b>NBR</b>	code	9801851	9801852	9801853	9801854	9801855	9801856	9801857	9801858	9801859	9801860	9801861	9801862	9801863	9801864
<b>EPDM</b>	code	9801870	9801871	9801872	9801873	9801874	9801875	9801876	9801877	9801878	9801879	9801880	9801881	9801882	9801883
<b>WHITE EPDM</b>	code	9802170	9802171	9802172	9802173	9802174	9802175	9802176	9802177	9802178	9802179	9802180	9802181	9802182	9802183
<b>FKM</b>	code	9801910	9801911	9801912	9801913	9801914	9801915	9801916	9801917	9801918	9801919	9801920	-	-	-
<b>SILICONE</b>	code	9801930	9801931	9801932	9801933	9801934	9801935	9801936	9801937	9801938	9801939	9801940	-	-	-

**Spare PTFE seat for unidirectional valves** (mounted with the valve when ordered at the same time)

**⚠ Additional delivery time 10 days - Incomplete tightness.**

	DN	50	65	80	100	125	150	200	250	300	350	400
<b>PTFE</b>	code	9801890	9801891	9801892	9801893	9801894	9801895	9801896	9801897	9801898	9801899	9801900



### Quick opening - Lever set

DN	50	65	80	100	125	150	200	250	300
code	9801780	9801781	9801782	9801783	9801784	9801785	9801786	9801787	9801788



### Chain wheel

DN	50 to 150	200 to 300	350 to 600
code	9801790	9801791	9801792



### Chain

	per m
code	9801795



### Limit switches (set of 2 limit switches)

DN	50 to 150	200 to 300
code	9801351	9801352



### Spare limit switch (1 piece)

DN	50 to 700
code	9801350

### Stainless steel lateral bracket

DN	50	65	80	100	125	150	200	250	300	350	400
code	9802001	9802002	9802003	9802004	9802005	9802006	9802007	9802008	9802009	9802010	9802011



### Stainless steel CF8M deflector & deflector set (stainless steel CF8M deflector + universal gasket)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
deflector code	9801800	9801801	9801802	9801803	9801804	9801805	9801806	9801807	9801808	9801809	9801810	9801811	9801812	9801813
set code	9801820	9801821	9801822	9801823	9801824	9801825	9801826	9801827	9801828	9801829	9801830	9801835	9801836	9801837



## Bidirectional tightness

Excluded from 2014/68/EU Directive (art. 4, §4) - Bidirectional tightness - Between flanges PN10 - Non rising stem & handwheel.



ISO 9001 3.1  
10 €/DN



### Handwheel operated

#### 178 - Cast iron - NBR seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+90°C.

#### 177 - Cast iron - EPDM seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+110°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500
PS (bar)	10	10	10	10	10	10	10	8	6	4	4	3	3
178 code	178050	178065	178080	178100	178125	178150	178200	178250	178300	178350	178400	178450	178500
177 code	177050	177065	177080	177100	177125	177150	177200	177250	177300	177350	177400	-	-



### Handwheel operated - With limit switch

#### 178 - Cast iron - NBR seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+90°C - Limit switch for open position.

DN	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	10	10	10	10	10	10	10	8	6	4	4
code	178051	178066	178081	178101	178126	178151	178201	178251	178301	178351	178401

### ISO pad for electric actuator

Same features as above, except: F10 ISO pad, rising stem.



#### 178 - Cast iron - NBR seat

#### 177 - Cast iron - EPDM seat

DN	50	65	80	100	125	150	200	250	300	350	400
stem (Ø x pitch)	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	25 x 5	25 x 5	25 x 5	35 x 6	35 x 6
stem length (mm)	160	175	180	205	230	265	320	370	420	500	555
nbr. of turns	13	16	20	25	31	38	40	50	60	58	67
torque (Nm)	20	22	25	30	35	40	46	52	60	80	110
178 code	448004ISO	448005ISO	448006ISO	448007ISO	448008ISO	448009ISO	448010ISO	448011ISO	448012ISO	448013ISO	448014ISO
177 code	443004ISO	443005ISO	443006ISO	443007ISO	443008ISO	443009ISO	443010ISO	443011ISO	443012ISO	443013ISO	443014ISO

### Options for bidirectional valves only

#### Chain wheel

DN	50 to 150	200 to 300	350 to 400
code	9801796	9801797	9801798

#### Chain

	per m
code	9801795

#### Stainless steel lateral bracket

DN	50	65	80	100	125	150	200	250	300	350	400
code	9802001	9802002	9802003	9802004	9802005	9802006	9802007	9802008	9802009	9802010	9802011

## Through conduit - Bidirectional tightness

Excluded from 2014/68/EU Directive (art. 4, §4) - Bidirectional tightness - Between flanges PN10 - Non rising stem & handwheel.

ISO 9001 3.1  
10 €/DN

### Handwheel operated

#### 179 - Cast iron - EPDM seat

GG25 body - Stainless steel F304 gate - TS: -10°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	10	10	10	10	10	8	8	6	6	4	4	3	3	3
code	179050	179065	179080	179100	179125	179150	179200	179250	179300	179350	179400	179450	179500	179600

not on stock, on request.

**NEW**

## Unidirectional tightness

**Additional delivery time 3-5 days**

Excluded from 2014/68/EU Directive (art. 4, §4) - Unidirectional tightness: specific mounting position - Between flanges PN10 - Rising stem and non-rising handwheel - PS: see tables.

**ISO 9001** 3.1  
10 €/DN 3 €/pc

### A1V2H - Cast iron - Handwheel operated

GG25 body - F304 gate - EPDM seat - GGG50 gland pack - TS: - 5°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	10	10	10	10	10	8	7	5	5	4	4	3	3	3
code	A1V2H050	A1V2H065	A1V2H080	A1V2H100	A1V2H125	A1V2H150	A1V2H200	A1V2H250	A1V2H300	A1V2H350	A1V2H400	A1V2H450	A1V2H500	A1V2H600

not on stock, on request.

### A1V2I - Stainless steel - Handwheel operated

CF8M body - 316 gate - EPDM seat - CF8M gland pack - TS: - 5°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	10	10	10	10	10	8	7	5	5	4	4	3	3	3
code	A1V2I050	A1V2I065	A1V2I080	A1V2I100	A1V2I125	A1V2I150	A1V2I200	A1V2I250	A1V2I300	A1V2I350	A1V2I400	A1V2I450	A1V2I500	A1V2I600

not on stock, on request.

### A1V1I - Stainless steel - Handwheel operated

CF8M body - 316 gate - Metal seat - CF8M gland pack - TS: 0°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	10	10	10	10	10	8	7	5	5	4	4	3	3	3
code	A1V1I050	A1V1I065	A1V1I080	A1V1I100	A1V1I125	A1V1I150	A1V1I200	A1V1I250	A1V1I300	A1V1I350	A1V1I400	A1V1I450	A1V1I500	A1V1I600

not on stock, on request.

**NEW**

## Mining slurry application

Excluded from 2014/68/EU Directive (art. 4, §4) - Bidirectional tightness - Lug type between flanges PN10 - Natural rubber sleeve - Rising stem - Non-rising handwheel up to DN300, gearbox above - PS: see tables.

**ISO 9001** 3.1  
10 €/DN 3 €/pc

### GL - In-line service

GGG50 body - F304 or F316 gate - TS: 0°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400	Other materials & pressure ratings on request	
PS (bar)	10	10	10	10	10	10	10	10	10	10	10		Available up to DN1200 on request
F304 gate code	GL04NR050	GL04NR065	GL04NR080	GL04NR100	GL04NR125	GL04NR150	GL04NR200	GL04NR250	GL04NR300	GL04NR350	GL04NR400		
F316 gate code	GL16NR050	GL16NR065	GL16NR080	GL16NR100	GL16NR125	GL16NR150	GL16NR200	GL16NR250	GL16NR300	GL16NR350	GL16NR400		

not on stock, on request.

### GA - End-of-line service

GGG50 body - F304 or F316 gate - TS: 0°C/+90°C.

DN	50	65	80	100	125	150	200	250	300	350	400	Other materials & pressure ratings on request	
PS (bar)	10	10	10	10	10	10	10	10	10	10	10		Available up to DN1200 on request
F304 gate code	GA04NR050	GA04NR065	GA04NR080	GA04NR100	GA04NR125	GA04NR150	GA04NR200	GA04NR250	GA04NR300	GA04NR350	GA04NR400		
F316 gate code	GA16NR050	GA16NR065	GA16NR080	GA16NR100	GA16NR125	GA16NR150	GA16NR200	GA16NR250	GA16NR300	GA16NR350	GA16NR400		

not on stock, on request.

### GH - High performance

GGG50 body - F304 or F316 gate - TS: 0°C/+90°C - Delivered bare shaft.

DN	80	100	125	150	200	250	300	350	400	450	500	Other materials & pressure ratings on request	
PS (bar)	20	20	20	20	20	20	20	20	20	20	20		Available up to DN1200 on request
code	GH04NR080	GH04NR100	GH04NR125	GH04NR150	GH04NR200	GH04NR250	GH04NR300	GH04NR350	GH04NR400	GH04NR450	GH04NR500		

not on stock, on request.



## Metal seated gate valves

### ■ Threaded



97/23/EC Directive N°0038 - Risk category III / module H - CF8M body & gate - Metal seats - Full bore - Non rising stem - PS: 16 bar - TS: -20°C/+180°C.

CE 0038	ISO 9001	3.1 10 €/DN
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#### 106 - Stainless steel

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	106004	106005	106006	106007	106008	106009

### ■ Flanged



97/23/EC Directive N°0038 - Risk category III / module H - Flanged RF PN10 - EN 558 series 14 - GG25 body & gate - Brass seats - Non rising stem & handwheel - PS: 10 bar - TS: -10°C/+90°C.

**⚠ Leakage rate B according to EN 12266-1.** Please consult specific values on the datasheet.

CE 0038	ISO 9001	3.1 10 €/DN
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#### 150 - Cast iron

DN	40	50	65	80	100	125	150	200	250	300
face to face	140	150	170	180	190	200	210	230	250	270
code	150040	150050	150065	150080	150100	150125	150150	150200	150250	150300

2014/68/EU Directive N°0038 - Risk category III / module H - Flanged RF PN16 (PN10/16 for 158) - GGG50 body & gate - Rising stem - Non rising handwheel - PS: 10 bar for PN10 valves, 16 bar for PN16 valves.

**⚠ Leakage rate B according to EN 12266-1.** Please consult specific values on the datasheet.

CE 0038	ISO 9001	3.1 10 €/DN
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#### 156 - Ductile iron - Brass seats

EN 558 series 14 (DIN 3202 F4) - TS: -10°C/+120°C.



DN	40	50	65	80	100	125	150	200	250	300
face to face	140	150	170	180	190	200	210	230	250	270
code	156040SF	156050SF	156065	156080	156100SF	156125SF	156150SF	156200	156250SF	156300SF

#### 159 - Ductile iron - Stainless steel seats - DIN

EN 558 series 14 (DIN 3202 F4) - TS: -10°C/+180°C.



DN	40	50	65	80	100	125	150	200	250	300
face to face	140	150	170	180	190	200	210	230	250	270
code	159040	159050	159065	159080	159100	159125	159150	159200	159250	159300

#### 158 - Ductile iron - Stainless steel seats - NF

EN 558 series 29 (NF 29323) - TS: -10°C/+180°C.



DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
face to face	136	142	154	160	172	186	200	228	255	285	315	340	380	425
PN10 code	-	-	-	-	-	-	-	158201	158251	158301SF	158351	158401	158501	158601
PN16 code	158040	158050	158065	158080	158100	158125	158150	158200	158250	158300	158350	158400	158500	158600

2014/68/EU Directive N°0036 - Risk category III / module H - Flanged RF PN16 - EN 558 series 15 (DIN 3202 F5) - A216WCB cast steel body & bonnet - TRIM 8 - Bolted bonnet & gland pack - PS: 16 bar - TS: -29°C/+425°C.

CE 0036	ISO 9001	3.1 10 €/DN	
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#### 147 - Carbon steel

A216WCB - 13Cr gate - F6a stem - A105 + Stellite® Gr.6 seat - Rising stem & non rising handwheel.



DN	50	65	80	100	125	150	200	250	300
face to face	250	270	280	300	325	350	400	450	500
code	147050	147065	147080	147100	147125	147150	147200	147250	147300

## Resilient seated gate valves

Excluded from 97/23/EC Directive (article 3, §3) up to DN300, risk category I / module A above - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - GGG50 body - A420 stem - Full bore - Non rising stem - ⌚ clockwise closing - Epoxy coated - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - TS: -10°C/+70°C.

CE ISO 9001 3.1 10 €/DN



### 180 - EPDM wedge - EN 558 series 14 (DIN 3202 F4) - With handwheel ⌚

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500
face to face	140	150	170	180	190	200	210	230	250	270	290	310	330	350
PN10 code	-	-	-	-	-	-	-	180200	180250	180300	180350	180400	180450	180500
PN16 code	180040	180050	180065	180080	180100	180125	180150	180201	180251	180301	180351	180401	-	-

### 180 - EPDM wedge - EN 558 series 14 (DIN 3202 F4) - With gearbox ⌚

DN	600	700	800
face to face	390	430	470
PN10 code	180600	180700	180800

### 184 - EPDM wedge - EN 558 series 15 (DIN 3202 F5) - With square drive nut ⌚

DN	40	50	65	80	100	125	150	200	250	300	350	400
face to face	240	250	270	280	300	325	350	400	450	500	550	600
PN10 code	-	-	-	-	-	-	-	184200	184250	184300	184350	184400
PN16 code	184040	184050	184065	184080	184100	184125	184150	184201	184251	184301	184351	184401

Excluded from 97/23/EC Directive (article 3, §3) up to DN300, risk category I / module A above - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - GGG50 body - F304 stainless steel stem & bolts - Full bore - Non rising stem - GSK certified AKZO NOBEL® special epoxy coating for ACS - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - TS: -10°C/+70°C.



### 181 - EPDM wedge - EN 558 series 14 (DIN 3202 F4) - With handwheel ⌚

⌚ clockwise closing.

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500
face to face	140	150	170	181	190	200	210	230	250	270	290	310	330	350
PN10 code	-	-	-	-	-	-	-	181200	181250	181300	181350	181400	181450	181500
PN16 code	181040	181050	181065	181080	181100	181125	181150	181201	181251	181301	181351	181401	-	-



### 185 - EPDM wedge - EN 558 series 15 (DIN 3202 F5) - With square drive nut ⌚

⌚ anticlockwise closing.

DN	40	50	65	80	100	125	150	200	250	300	350	400
face to face	240	250	270	280	300	325	350	400	450	500	550	600
PN10 code	-	-	-	-	-	-	-	185200	185250	185300	185350	185400
PN16 code	185040	185050	185065	185080	185100	185125	185150	185201	185251	185301	185351	185401



Excluded from 97/23/EC Directive (article 3, §3) - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - GGG50 body - A420 stem - Full bore - Non rising stem - ⌚ clockwise closing - Epoxy coated - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - TS: -10°C/+70°C.



### 182 - NBR wedge - EN 558 series 14 (DIN 3202 F4) - With handwheel ⌚

DN	40	50	65	80	100	125	150	200	250	300
face to face	140	150	170	180	190	200	210	230	250	270
PN10 code	-	-	-	-	-	-	-	182200	182250	182300
PN16 code	182040	182050	182065	182080	182100	182125	182150	182201	182251	182301



### Spare square drive nut (for 180-181-182)

DN	40	50	65	80	100	125	150	200	250	300	350	400
code	9801831	9801831	9801831	9801832	9801832	9801833	9801833	9801833	9801834	9801834	9801838	9801838



## Spare handwheel (for 184-185)

⌚ clockwise closing handwheel for 184 / ⌚ anticlockwise closing handwheel for 185.



DN	40	50	65	80	100	125	150	200	250	300	350	400
⌚ code	9801594	9801594	9801594	9801595	9801595	9801596	9801596	9801596	9801597	9801597	9801598	9801598
⌚ code	9801590	9801590	9801590	9801591	9801591	9801592	9801592	9801592	9801593	9801593	9801599	9801599

## Tee key (for square drive nut; length 1 m)



DN	40	50	65	80	100	125	150	200	250	300	350	400
code	9802080	9802080	9802080	9802080	9802080	9802080	9802080	9802080	9802080	9802080	9802082	9802082

## Spare stem extensions

To be connected on a square drive nut.

DN	40 to 300	350-400
1 m code	9802020	9802029
1,25 m code	9802031	9802040
1,50 m code	9802042	9802051

## Spare telescopic stem extension

To be connected on a square drive nut.

DN	40 to 300
1,3 m to 1,8 m code	9802060
2 m to 2,5 m code	9802070

# Air release valves

Excluded from 2014/68/EU Directive (article 1, §2.b) - Construction acc. to EN 1074-4 - PN10/16 connection - Polypropylene float - EPDM gasket - PS: 16 bar - TS: 0°C/+60°C.

ISO 9001

## ■ Single effect - Degassing function



### 31110 - Composite - With isolating valve

Glass fiber reinforced polyamide body - NF certified CW617N brass ball valve - GGG40 flange DN40/65.



Ø	1"
code	3111006

## ■ Triple effect - Degassing, air release & vacuum function



### 31130 - Composite - With isolating valve

Glass fiber reinforced polyamide body - NF certified CW617N brass ball valve - GGG40 flange DN40/65.



Ø	1"	2"
code	3113006	3113009



### 31132 - Ductile iron - With isolating valve

Ductile iron body - NF certified CW617N brass ball valve - GGG40 flange DN40/65.

Ø	2"
code	3113209



### 31133 - Ductile iron - Without isolating valve

Ductile iron body.

DN	80
code	3113311



Excluded from 2014/68/EU Directive (article 1, §2.b) - Inlet threaded connection (D2) acc. to ISO 965 & outlet compression fitting for PE pipes (D1) - Bronze or CW602N brass body - CW602N brass cap - Brass ball - Plain PTFE seats - NBR stem tightness - Epoxy coated 30x30 square drive - anticlockwise closing - PS: 16 bar - TS: -4°C/+40°C.



## Service cock valves



### 29110 - Straight with o-ring gasket

Bronze body  
or CW602N brass body.

DN	20	25	30	40
outlet Ø (D1)	25	32	40	50
inlet thread (D2)	40x300	40x300	55x300	55x300
bore (mm)	25*	25	40	40
bronze code	2911020	2911025	2911030	2911040
brass code	2911021	-	-	-



### 29130 - Universal straight/angle with large gasket

Bronze body.

DN	20	30	40
outlet Ø (D1)	25	40	50
inlet thread (D2)	40x300	55x300	55x300
bore (mm)	21	40	40
code	2913020	2913030	2913040

## Shut-off valve



### 29180 - Straight with o-ring gaskets

Bronze body.

DN	20	25	30	40
bore	21	25	40	40
ext. pipe Ø	25	32	40	50
code	2918020	2918025	2918030	2918040



### F304 tightening wrench for universal service valves

code	2913010
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### HDPE centering ring for service valves

valve type	29110	29180	29130
code	2994000	2994000	2913001

## Tapping bridges for service cock valves



### 2950 - Small thread M40x300

### 2951 - Large thread M55x300

Threaded connection acc. to ISO 965 - Forged steel body - Double tightness EPDM gasket - PS: 16 bar - TS: +4°C/+40°C. Suitable for rigid pipes, such as cast iron, steel, PVC, asbestos cement.

ISO 9001

DN	40	50	60	80	100	125	150	175	200	225	250	275	300
pipe Ø (mm)	50-62	63-74	75-89	90-109	110-135	136-159	160-175	175-211	212-233	234-269	270-290	291-310	311-325
2950 code	2950040	2950050	2950060	2950080	2950100	2950125	2950150	2950175	2950200	2950225	2950250	2950275	2950300
2951 code	-	2951050	2951060	2951080	2951100	2951125	2951150	2951175	2951200	2951225	2951250	2951275	2951300

# Float valves

Excluded from 2014/68/EU Directive (article 4, §3)

ISO 9001

### RF1 - PVC-U

PVC-U body - EPDM or FKM gaskets - Stainless steel lever - PE ball - PS: 10 bar up to DN32, 5 bar above - TS: 0°C/+60°C.

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
EPDM gaskets code	6200RT015	6200RT020	6200RT025	6200RT032	6200RT040	6200RT050	6200RT065	6200RT080
FKM gaskets code	6201RT015	6201RT020	6201RT025	6201RT032	6201RT040	6201RT050	6201RT065	6201RT080

### 490 - Brass body - PE float

### 491 - Brass body - Copper float

Stainless steel inner mechanism - EPDM gasket - PS: 10 bar - TS fig. 490: 0°C/+60°C; TS fig. 491: 0°C/+80°C - ACS certification for ref. 491 only.

Ø male	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø float	120	150	180	220	220	300
490 code	490004	490005	490006	490007	490008	490009
491 code	491004	491005	491006	491007	491008	491009





### 494 - Full stainless steel

F304 body & inner mechanism - F316 ball - FKM gasket - TS: -5°C/+90°C.

Ø male	3/4"	3/4"
Ø float	156	245
PS (bar)	6	8
code	494005	494105

### Spare float

Ø float	156	245
code	9806321	9806322



### e-float - Full stainless steel

F304 body, mechanism & float - EPDM gasket - PS: 10 bar - TS: -10°C/+80°C.

Ø male	1/2"	3/4"	1"	1"1/4"	2"
Ø float	100	100	100	150	150
code	292002	292003	292004	292006	292007

### Spare float

Ø float	100	150
code	981860	981861

Excluded from 2014/68/EU Directive (article 4, §3) - Flanged RF PN16 - GG25 body - Epoxy coated - Brass & bronze inner parts - NBR seat - Min. ΔP: 0,3 bar - PS: 16 bar - TS: -10°C/+80°C - **Actuated by an e-float valve (included)**, to be connected by pipes (not included) - BSP connection 1/2".

ISO 9001



### BFF - Coaxial cast iron valve

DN	50	65	80	100	125	150	200
face to face	190	210	225	255	285	315	420
code	292050	292065	292080	292100	292125	292150	292200

### E-float included



Excluded from 2014/68/EU Directive (article 4, §3) - B62 Bronze body - Brass hat, needle & seat - PS: 25 bar - TS: -10°C/+180°C.

ISO 9001



### 482 - Bronze

Ø	1/4"	3/8"	1/2"	3/4"
code	482002	482003	482004	482005

HIGH PRESSURE



97/23/EC Directive N°0948 - Risk category III / module B+C1 - A105 body - A410 needle - Rising rotating stem - PS: 200 bar - TS: 0°C/+180°C.

CE 0948 ISO 9001

### 489 - Female/Female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	489002	489003	489004	489005	489006	489007	489008	489009

not on stock, on request.

Excluded from 2014/68/EU Directive (article 4, §3) - CF8M body - F304 needle - PTFE gland pack - PS: 400 bar - TS: -20°C/+180°C.

ISO 9001 3.1 10 €/DN 3 €/pc

HIGH PRESSURE

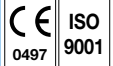


### 481 - Female/female 487 - Female/female 488 - Male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"
481 code	481002	481003	481004	481005	481006
487 code	487002	487003	487004	487005	487006
488 code	488002	488003	488004	488005	488006

## Threaded

97/23/EC Directive N°0497 - Risk category III / module H - For fluids of group 2 - B62 Bronze body - Brass globe & bonnet - PTFE gland pack - PS: 16 bar - TS: -10°C/+110°C.

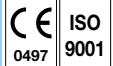


### 460 - Bronze - Metal-metal tightness

### 462 - Bronze - PTFE tightness

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
460 code	460002	460003	460004	460005	460006	460007	460008	460009
462 code	462002	462003	462004	462005	462006	462007	462008	462009

97/23/EC Directive N°0497 - Risk category III / module H - For fluids from group 2 - B62 Bronze body - Brass union bonnet - F316L seat - PS: 25 bar - TS: -10°C/+180°C.

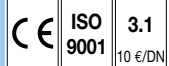


### 451 - Bronze - Metal-metal tightness

### 454 - Bronze - PTFE tightness

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
451 code	451002	451003	451004	451005	451006	451007	451008	451009
454 code	454002	454003	454004	454005	454006	454007	454008	454009

97/23/EC Directive - Risk category I / module A - CF8M body - CF8M globe - Metal seat - PS: 16 bar - TS: -20°C/+180°C - **Not suitable for steam.**

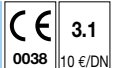


### 485 - Stainless steel

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	485004	485005	485006	485007	485008	485009

## Flanged RF PN16

97/23/EC Directive N°0038 - Risk category III / module H - Flanged RF PN16 - EN 558 series 1 - GG25 body & globe - Stainless steel stem & seat - Rising stem - PS: 16 bar - TS: -10°C/+120°C - **Not suitable for steam.**



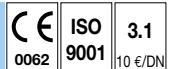
HEATING



### 470 - Cast iron

DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	470015	470020	470025	470032	470040	470050	470065	470080	470100	470125	470150	470200

2014/68/EU Directive N°0062 - Risk category III / module H - Flanged RF PN16 - EN 558 series 1 - GG25 body - Stainless steel stem, globe & seat - Rising stem - PS: 16 bar - TS: -10°C/+300°C - **Steam up to 10 bar max.**



STEAM

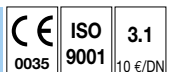


### 479 - Cast iron



DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	479015	479020	479025	479032	479040	479050	479065	479080	479100	479125	479150	479200

97/23/EC Directive N°0035 - Risk category III / module H - Flanged RF PN25/16 - EN 558 series 1 - GGG40 body - Stainless steel stem, globe & seat - Bolted bonnet & gland pack - Non rising stem - PS: 25 bar up to DN50, 16 bar above - TS: -10°C/+350°C - **Steam up to 10 bar max.**



STEAM



### 476 - Ductile iron - With stainless steel bellow

DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	476015	476020	476025	476032	476040	476050	476065	476080	476100	476125	476150	476200

STEAM



## ■ Flanged RF PN40

97/23/EC Directive N°0035 - Risk category III / module H - Flanged RF PN40 - EN 558 series 1 - A216WCB body - Stainless steel stem, globe & seat - Bolted bonnet & gland pack - Non rising stem - PS: 40 bar - TS: -20°C/+400°C.

CE 0035 ISO 9001 3.1 10 €/DN

### 471 - Carbon steel

DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	471015	471020	471025	471032	471040	471050	471065	471080	471100	471125	471150	471200

### 475 - Carbon steel - With stainless steel bellow

DN	15	20	25	32	40	50	65	80	100	125	150	200
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	475015	475020	475025	475032	475040	475050	475065	475080	475100	475125	475150	475200

# Piston valves

NEW

## ■ Flanged RF PN16

Additional delivery time 3-5 days

2014/68/EU Directive N°2580 - Risk category III / module H - Fire safe acc. to ISO 10497 & API 607 - Flanged RF PN16 - EN 558 series 1 - GG25 body & bonnet - Phosphated GG20 lantern - YX-GT graphite packing rings - Belleville washer - PS: 16 bar - TS: -10°C/+300°C.

TA LUFT FIRE SAFE CE 2580 ISO 9001 3.1 10 €/DN



### YVN-3 - Cast iron

1.4021 piston.

DN	15	20	25	32	40	50
face to face	130	150	160	180	200	230
code	YVN3015	YVN3020	YVN3025	YVN3032	YVN3040	YVN3050

### YVNB-2 - Cast iron - With balancing piston box

1.4086 piston - 1.4301 piston box.

DN	65	80	100	125	150	200
face to face	290	310	350	400	480	600
code	YVNB2065	YVNB2080	YVNB2100	YVNB2125	YVNB2150	YVNB2200

## ■ Flanged RF PN40

Additional delivery time 3-5 days

2014/68/EU Directive N°2580 - Risk category III / module H - Fire safe acc. to ISO 10497 & API 607 - Flanged RF PN40 - EN 558 series 1 - A216WCB body & bonnet - Phosphated GG20 lantern - YX-GT graphite packing rings - Belleville washer - PS: 16 bar - TS: -10°C/+400°C.

TA LUFT FIRE SAFE CE 2580 ISO 9001 3.1 10 €/DN



### YVN-8 - Cast steel

1.4021 piston.

DN	15	20	25	32	40	50
face to face	130	150	160	180	200	230
code	YVN8015	YVN8020	YVN8025	YVN8032	YVN8040	YVN8050

### YVNB-8 - Cast steel - With balancing piston box

1.4086 piston - 1.4301 piston box.

DN	65	80	100	125	150	200
face to face	290	310	350	400	480	600
code	YVNB8065	YVNB8080	YVNB8100	YVNB8125	YVNB8150	YVNB8200

## ■ Accessories for steam globe valves & piston valves

### MIRS - Globe valve insulation jacket

Pyrogel XT Aspen Aerogels® hydrophobic insulation - Fiber glass fabric with silicone cover - Fabrics sewing by Kevlar® and stainless steel wires - Braided fiber glass ropes - TS: up to 250°C.

DN	15	20	25	32	40	50	65	80	100	125	150
code	181015SE	181020SE	181025SE	181032SE	181040SE	181050SE	181065SE	181080SE	181081SE	181082SE	181083SE

## Carbon steel A105N - TRIM 8

97/23/EC Directive N°0036 - Risk category III / module H - API Spec 6D-0286 (except globe valves) - A105N carbon steel body & bonnet - TRIM 8 - A410 + Stellite® Gr.6 seat - Bolted bonnet & gland pack - Rising stem for gate & globe valves - TS: -29°C/+425°C.



### Gate valves - 800 lbs



#### 112 - Welding

#### 113 - Threaded

#### 114 - Threaded

F6 gate - A410 stem - Standard port - PS: 136 bar.

NPS	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
112 code	112010	112015	112020	112025	112032	112040	112050
113 code	113003	113004	113005	113006	113007	113008	113009
114 code	114003	114004	114005	114006	114007	114008	114009

### Globe valves - 800 lbs



#### 412 - Welding

#### 413 - Threaded

#### 414 - Threaded

A410 globe - A410 stem - Standard port - PS: 136 bar.

NPS	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
412 code	412010	412015	412020	412025	412032	412040	412050
413 code	413003	413004	413005	413006	413007	413008	413009
414 code	414003	414004	414005	414006	414007	414008	414009

### Globe valves with stainless steel bellow - 600 lbs



#### 402 - Welding

#### 403 - Threaded

#### 404 - Threaded

A410 globe - A410 stem - A321 bellow - Standard port - PS: 100 bar.

NPS	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
402 code	402015	402020	402025	402032	402040	402050
403 code	403004	403005	403006	403007	403008	403009
404 code	404004	404005	404006	404007	404008	404009

### Piston check valves - 800 lbs



#### 312 - Welding

#### 313 - Threaded

#### 314 - Threaded

A410 piston - With A302 spring - Horizontal mounting - Standard port - PS: 136 bar.

NPS	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
312 code	312010	312015	312020	312025	312032	312040	312050
313 code	313003	313004	313005	313006	313007	313008	313009
314 code	314003	314004	314005	314006	314007	314008	314009

### Ball check valves - 800 lbs



#### 318 - Welding

#### 319 - Threaded

A410 ball - With A302 spring - Horizontal mounting - Standard port - PS: 136 bar.

NPS	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
318 code	318010	318015	318020	318025	318032	318040	318050
319 code	319003	319004	319005	319006	319007	319008	319009



## Carbon steel A105N - TRIM 5

97/23/EC Directive N°0036 - Risk category III / module H - API Spec 6D-0286 (except globe valves) - A105N carbon steel body & bonnet - TRIM 5 - A410 + Stellite® Gr.6 seat - Rising stem for gate & globe valves - TS: -29°C/+425°C.



### Gate valve - 150 lbs

#### 130 - RF ANSI 150

F6 + Stellite® Gr.6 gate - A410 stem - Bolted bonnet - Full port - PS: 20 bar.

NPS	1/2"	3/4"	1"	1"1/2"	2"
code	130015	130020	130025	130040	130050



### Globe valve - 150 lbs

#### 440 - RF ANSI 150

F6 + Stellite® Gr.6 globe - A410 stem - Bolted bonnet - Full port - PS: 20 bar.

NPS	1/2"	3/4"	1"	1"1/2"	2"
code	440015	440020	440025	440040SF	440050SF



### Gate valve - 300 lbs

#### 131 - RF ANSI 300

F6 + Stellite® Gr.6 gate - A410 stem - Bolted bonnet - Full port - PS: 50 bar.

NPS	1/2"	3/4"	1"	1"1/2"	2"
code	131015	131020SF	131025SF	131040SF	131050SF



### Globe valve - 300 lbs

#### 441 - RF ANSI 300

F6 + Stellite® Gr.6 globe - A410 stem - Bolted bonnet - Full port - PS: 50 bar.

NPS	1/2"	3/4"	1"	1"1/2"	2"
code	441015	441020	441025	441040	441050

### Gate valves - 800 lbs



#### 117 - Welding

#### 116 - Threaded

F6 + Stellite® Gr.6 gate - A410 stem - Welded bonnet - Standard port - PS: 136 bar.

NPS	1/2"	3/4"	1"	1"1/2"	2"
117 code	117015	117020	117025	117040	117050
116 code	116004	116005	116006	116008	116009

### Globe valves - 800 lbs



#### 417 - Welding

#### 416 - Threaded

F6 + Stellite® Gr.6 globe - A410 stem - Welded bonnet - Standard port - PS: 136 bar.

NPS	1/2"	3/4"	1"	1"1/2"	2"
417 code	417015	417020	417025	417040	417050
416 code	416004	416005	416006SF	416008	416009

### Y-pattern globe valve - 1500 lbs



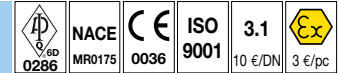
#### 405 - Welding

A410 + Stellite® Gr.6 globe - A410 stem - Welded bonnet - Full port - PS: 255 bar.

NPS	1/2"	3/4"	1"	1"1/2"	2"
code	405015	405020	405025	405040	405050

## Carbon steel A105N - TRIM 16

97/23/EC Directive N°0036 - Risk category III / module H - API Spec 6D-0286 - NACE MR0175 - A105N carbon steel body & bonnet - TRIM 16 - F316 + Stellite® Gr.6 seat - Bolted bonnet & gland pack - Rising stem - TS: -29°C/+425°C.



### Gate valves - 800 lbs

**111 - Welding**

**115 - Threaded**

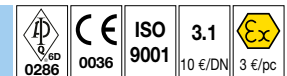
F316 gate - A410 stem - Standard port - PS: 136 bar.



NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"
111 code	111010	111015	111020	111025	111040	111050
115 code	115003	115004	115005	115006	115008	115009

## Carbon steel A350LF2 - TRIM 12

97/23/EC Directive N°0036 - Risk category III / module H - API Spec 6D-0286 (except globe valves) - A350LF2 carbon steel body & bonnet - TRIM 12 - F316 + Stellite® Gr.6 seat - Bolted bonnet & gland pack - Rising stem for gate & globe valves - TS: -46°C/+425°C - Impact test included in the 3.1 certificate.



### Gate valves - 800 lbs

**119 - Welding**

**118 - Threaded**

F316 gate - F316 stem - Full port - PS: 136 bar.



NPS	1/2"	3/4"	1"	1 1/2"	2"
119 code	119015	119020	119025	119040	119050
118 code	118004	118005	118006	118008	118009

### Globe valves - 800 lbs

**419 - Welding**

**418 - Threaded**

F316 globe - F316 stem - Full port - PS: 136 bar.



NPS	1/2"	3/4"	1"	1 1/2"	2"
419 code	419015	419020	419025	419040	419050
418 code	418004	418005	418006	418008	418009

### Gate valves - 1500 lbs

**121 - Welding**

**120 - Threaded**

F316 gate - F316 stem - Standard port - PS: 255 bar.



NPS	1/2"	3/4"	1"	1 1/2"	2"
121 code	121015	121020	121025	121040	121050
120 code	120004	120005	120006	120008	120009

### Globe valves - 1500 lbs

**421 - Welding**

**420 - Threaded**

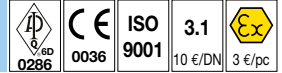
F316 globe - F316 stem - Standard port - PS: 255 bar.



NPS	1/2"	3/4"	1"	1 1/2"	2"
421 code	421015	421020SF	421025	421040	421050
420 code	420004	420005	420006	420008	420009

## Carbon steel A182F11 - TRIM 5

97/23/EC Directive N°0036 - Risk category III / module H - API Spec 6D-0286 - A182F11 carbon steel body & bonnet - TRIM 5 - A410 + Stellite® Gr.6 seat - Rising stem - TS: -29°C/+595°C.



### Gate valves - 800 lbs



**122 - Welding**

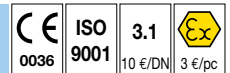
**123 - Threaded**

F6 + Stellite® Gr.6 gate - A410 stem - Welded bonnet - Standard port - PS: 138 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
122 code	122015	122020	122025	122040	122050
123 code	123004	123005	123006	123008	123009

## Carbon steel A182F22 - TRIM 5

97/23/EC Directive N°0036 - Risk category III / module H - A182F22 carbon steel body & bonnet - TRIM 5 - A410 + Stellite® Gr.6 seat - Rising stem - TS: -29°C/+595°C.



### Y-pattern globe valve - 1500 lbs



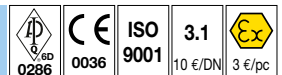
**406 - Welding**

A410 + Stellite® Gr.6 globe - F304 stem - Welded bonnet - Full port - PS: 258 bar.

NPS	1/2"	3/4"	1"	1 1/2"	2"
code	406015	406020	406025	406040	406050

## Stainless steel F316 - TRIM 10

97/23/EC Directive N°0036 - Risk category III / module H - API Spec 6D-0286 (except globe valves) - F316 stainless steel body & inner parts - TRIM 10 - F316, standard 316 seat and stem - Bolted bonnet & gland pack - Rising stem for gate & globe valves - PS: 132 bar - TS: -29°C/+538°C.



### Gate valves - 800 lbs



**152 - Welding**

**153 - Threaded**

F316 gate - Standard port.

NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"
152 code	152010	152015	152020	152025	152040	152050
153 code	153003	153004SF	153005SF	153006SF	153008	153009

### Globe valves - 800 lbs



**452 - Welding**

**453 - Threaded**

F316 globe - Standard port.

NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"
452 code	452010	452015	452020	452025	452040	452050
453 code	453003	453004	453005	453006	453008	453009

### Ball check valves - 800 lbs



**358 - Welding**

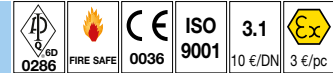
**359 - Threaded**

F316 ball - With inconel spring - Standard port.

NPS	3/8"	1/2"	3/4"	1"	1 1/2"	2"
358 code	358010	358015	358020	358025	358040	358050
359 code	359003	359004	359005	359006	359008	359009

## Ball valves - Carbon steel A105N

97/23/EC Directive N°0036 - Risk category III / module H - API Spec 6D-0286 - Fire safe API607 - A105N carbon steel body - F316 ball - F316 stem - RTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - PS: 136 bar - TS: -29°C/+220°C.



### Ball valves - 800 lbs



**7451 - Welding**

**7450 - Threaded**

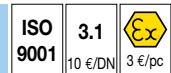
NPS	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
7451 code	745115	745120	745125	745132	745140	745150
7450 code	745004	745005	745006	745007	745008	745009

not on stock, available late 2018.

## Other forged valves

### Needle valves - 3000 psi

Excluded from 2014/68/EU Directive (article 4, §3) - A105N carbon steel body - A410 needle - Graphite gland pack - Rising stem - PS: 200 bar - TS: -29°C/+250°C.



**486 - Welding**

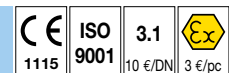
**484 - Threaded**

**483 - Threaded**

NPS	1/4"	3/8"	1/2"	3/4"	1"
486 code	486008	486010	486015	486020	486025
484 code	484002	484003	484004	484005	484006
483 code	483002	483003	483004	483005	483006

### Y-strainers - 800 lbs

97/23/EC Directive N°1115 - Risk category III / module H - A105N carbon steel body - F316 screen - Mesh 0,8 mm - With draining cap - PS: 136 bar - TS: -29°C/+425°C.



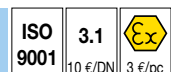
**232 - Welding**

**234 - Threaded**

**231 - Threaded**

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
232 code	232008	232010	232015	232020	232025	232032	232040	232050
234 code	234002	234003	234004	234005	234006	234007	234008	234009
231 code	231002	231003	231004	231005	231006	231007	231008	231009

Excluded from 2014/68/EU Directive (article 4, §3) - F316 stainless steel body - Mesh 0,8 mm - With draining cap - PS: 132 bar - TS: -29°C/+538°C.

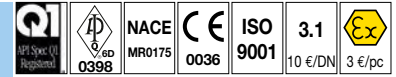


**239 - Threaded**

NPS	1/4"	3/8"	1/2"	3/4"	1"
code	239002	239003	239004	239005	239006

2014/68/EU Directive N°0036 - Risk category III / module H - API Spec Q1 - API Spec 6D-0398 (except globe valves) - A216WCB cast steel body & bonnet - TRIM 8 - Bolted bonnet & gland pack - PS: 20 bar (ANSI 150), 50 bar (ANSI 300) - TS: -29°C/+425°C -

⚠️ Impact test available acc. to delivery.



## Gate valves



### 143 - Flanged RF ANSI 150

A216WCB + 13Cr gate - F6a stem - A105 + Stellite® Gr.6 seat - Rising stem & non rising handwheel up to 14", with gearbox above.

NPS	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
face to face	178	203	229	267	292	330	356	381	406	432	457
code	143050	143080	143100	143150	143200	143250	143300	143350	143400	143450	143500



### 144 - Flanged RF ANSI 300

A216WCB + 13Cr gate - F6a stem - A105 + Stellite® Gr.6 seat - Rising stem & non rising handwheel.

NPS	2"	3"	4"	6"	8"	10"	12"
face to face	216	282	305	403	419	457	502
code	144050	144080	144100	144150	144200	144250	144300

RF PN16 gate valve fig. 147 available, see page 57

## Globe valves



### 443 - Flanged RF ANSI 150

A105 + 13Cr globe - F6a stem - A216WCB + Stellite® Gr.6 seat - Rising stem & handwheel.

NPS	2"	3"	4"	6"	8"	10"	12"
face to face	203	241	292	406	495	622	698
code	443050	443080	443100	443150	443200	443250	443300



### 444 - Flanged RF ANSI 300

A105 + 13Cr globe - F6a stem - A216WCB + Stellite® Gr.6 seat - Rising stem & handwheel.

NPS	2"	3"	4"	6"	8"	10"	12"
face to face	267	318	356	444	559	622	711
code	444050	444080	444100	444150	444200	444250	444300

## Swing check valves



### 373 - Flanged RF ANSI 150

A216WCB + 13Cr swing plate - A105 + Stellite® Gr.6 seat.

NPS	2"	3"	4"	6"	8"	10"	12"
face to face	203	241	292	356	495	622	698
code	373050	373080	373100	373150	373200	373250	373300



### 374 - Flanged RF ANSI 300

A216WCB + 13Cr swing plate - A105 + Stellite® Gr.6 seat.

NPS	2"	3"	4"	6"	8"	10"	12"
face to face	267	318	356	444	533	622	711
code	374050	374080	374100	374150	374200	374250	374300

## Y-strainer



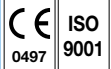
### 243 - Flanged RF ANSI 150

F304 screen - Mesh 1,5 mm (except DN50: 1 mm).

NPS	2"	3"	4"	6"	8"	10"	12"
face to face	203	241	292	406	495	622	698
code	243050	243080	243100	243150	243200	243250	243300

## Vertical lift

97/23/EC Directive N°0497 - Risk category III / module H - B62 Bronze body - CW614N Brass union cap - F316L seat - PS: 25 bar - TS: -10°C/+180°C.



### 350 - Bronze - Metal-metal tightness 354 - Bronze - PTFE tightness

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
350 code	350002	350003	350004	350005	350006	350007	350008	350009
354 code	354002	354003	354004	354005	354006	354007	354008	354009

## Anti-pollution

Excluded from 2014/68/EU directive (article 1, §2.b) - Flanged RF PN10/16 - EN 558 series 1 - Ductile iron body & cap - Epoxy coated - Bronze inner part - EPDM gasket - Includes 2 tapping valves 1/2" - PS: 16 bar - TS: +10°C/+60°C.



### 346 - Ductile iron

DN	40/50	60/65	80	100	150
face to face	230	290	310	350	480
code	346050	346065	346080	346100	346150

## Spring - All positions

Excluded from 2014/68/EU Directive (article 4, §3) - Stainless steel body - F304 disc - FKM seat - PS: 16 bar - TS: -10°C/+150°C.



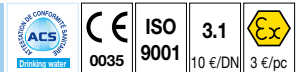
### 327 - Full stainless steel F304

### 326 - Full stainless steel F316



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
face to face	66	66	66	72	83	105	115	125	145	162,5	189,5
327 code	327002	327003	327004	327005	327006	327007	327008	327009	327010	327011	327012
326 code	326002	326003	326004	326005	326006	326007	326008	326009	326010	326011	326012

2014/68/EU Directive N°0035 - Risk category II / module H - CF8M body - F316 disc - Metal-metal tightness - PTFE body seats - PS: 63 bar - TS: -20°C/+200°C.



### 380 - 3 piece body

### 384 - 3 piece body

### 381 - 3 piece body

### 382 - 3 piece body



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
380 code	380002	380003	380004	380005	380006	380007	380008	380009	380010	380011	380012
384 code	384002	384003	384004	384005	384006	384007	384008	384009	-	-	-
381 code	381008	381010	381015	381020	381025	381032	381040	381050	381065	381080	381100
382 code	382008	382010	382015	382020	382025	382032	382040	382050	382065	382080	382100

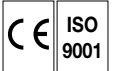
### 383 - Foot valve - With F316 strainer basket

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	383003	383004	383005	383006	383007	383008	383009	383010	383011	383012



## Wafer spring - All positions

97/23/EC Directive - Risk category I / module A - CW617N body - F316 disc - Metal-metal tightness - PS: 16 bar - TS: -10°C/+250°C.



### 385 - Brass

Between flanges PN10/16/25/40



DN	32	40	50
face to face	28	35	40
code	385032	385040	385050

97/23/EC Directive N°0036 - Risk category II / module A1 - EN 558 series 49 - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+200°C.



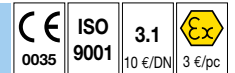
### 390 - Stainless steel - S-First

Between flanges PN10/16/25/40 & ANSI 150 & 300



DN	15	20	25	32	40	50	65	80	100
face to face	16	19	21	27	31	40	46	50	60
code	390015	390020	390025	390032	390040	390050	390065	390080	390100

2014/68/EU Directive N°0035 - Risk category II / module H - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+200°C.



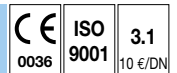
### 386 - Stainless steel

Between flanges PN10/16/25/40 & ANSI 150



DN	15	20	25	32	40	50	65	80	100
face to face	16,5	20	22	28	32	40	46	50	60
code	386015	386020	386025	386032	386040	386050	386065	386080	386100

97/23/EC Directive N°0036 - Risk category II / module A1 - F316 body & disc - Metal-metal tightness - PS: 40 bar - TS: -10°C/+300°C.



### 387 - Stainless steel

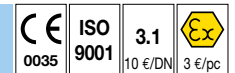
Between flanges PN40



DN	15	20	25	32	40	50	65	80	100
face to face	16,5	20	22	28	32	40	46	50	60
code	387015	387020	387025	387032	387040	387050	387065	387080	387100

## Swing

97/23/EC Directive N°0035 - Risk category III / module H - CF8M body & plate - Metal-metal tightness - PS: 16 bar - TS: -20°C/+200°C - ⚠️ Not suitable for pulsatory pace - Max. speed 3m/sec.

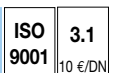


### 320 - Stainless steel (BSP)



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	320002	320003	320004	320005	320006	320007	320008	320009

Excluded from 2014/68/EU Directive (article 4, §3) - GG25 body & plate - Flanged RF PN16 - DIN 3202 F6 - PS: 16 bar - ⚠️ Not suitable for pulsatory pace - Max. speed 3m/sec.



### 360 - Cast iron - Metal seat

TS: -10°C/+120°C.

### 362 - Cast iron - EPDM seat

TS: -10°C/+80°C.



DN	40	50	65	80	100	125	150	200
face to face	180	200	240	260	300	350	400	500
360 code	360040	360050	360065	360080	360100	360125	360150	360200
362 code	362040	362050	362065	362080	362100	362125	362150	362200

## Wafer swing - Single plate



Excluded from 2014/68/EU Directive (article 4, §3) - Between flanges PN16 - PS: 16 bar up to DN200, 10 bar above -  
 ⚠️ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

ISO 9001 3.1  
10 €/DN

**364 - Carbon steel - EPDM gasket**  
 TS: -10°C/+110°C.

**351 - Carbon steel - NBR gasket**  
 TS: -10°C/+80°C.

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face	14	14	14	14	18	18	20	22	26	28	36	41	50	56	56
364 code	364040	364050	364065	364080	364100	364125	364150	364200	364250	364300	364350	364400	364450	364500	364600
351 code	351040	351050	351065	351080	351100	351125	351150	351200	351250	351300	-	-	-	-	-



2014/68/EU Directive N°0035 - Risk category III / module H - Between flanges PN16 - PS: 16 bar up to DN200, 10 bar above -  
 ⚠️ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

CE 0035 ISO 9001 3.1  
10 €/DN

**365 - Stainless steel CF8M - FKM gasket**  
 TS: -10°C/+180°C.

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face	14	14	14	14	18	18	20	22	26	28	36	41	50	56	56
code	365040	365050	365065	365080	365100	365125	365150	365200	365250	365300	365350	365400	365450	365500	365600

## Wafer swing - Dual plate



97/23/EC Directive N°0035 - Risk category III / module H - Lloyd's Register Type Approval for marine applications - Between flanges PN10/16 - GG25 body - PS: 16 bar up to DN300, 10 bar above -  
 ⚠️ **Not suitable for pulsatory pace.**

LR CE 0035 ISO 9001 3.1  
10 €/DN

**370 - NBR gasket - GGG40 plates**  
 TS: -10°C/+90°C.

**371 - EPDM gasket - CF8M plates**  
 TS: -10°C/+110°C.

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face	43	54	54	57	64	70	76	95	108	143	184	191	203	213	222
370 code	370040	370050	370065	370080	370100	370125	370150	370200	370250	370300	370350	370400	370450	370500	370600
371 code	-	371050	371065	371080	371100	371125	371150	371200	371250	371300	371350	371400	371450	371500	371600

97/23/EC Directive N°0035 - Risk category III / module H - Lloyd's Register Type Approval for marine applications - Between flanges PN10/16 - GG25 body - PS: 16 bar -  
 ⚠️ **Not suitable for pulsatory pace.**

ACS LR CE 0035 ISO 9001 3.1  
10 €/DN

**375 - EPDM gasket - CF8M plates**  
 TS: -10°C/+110°C.



DN	50	65	80	100	125	150	200	250	300
face to face	54	54	57	64	70	76	95	108	143
code	375050	375065	375080	375100	375125	375150	375200	375250	375300

97/23/EC Directive N°0035 - Risk category III / module H - Lloyd's Register Type Approval for marine applications - Between flanges PN10/16 - GGG40 body - PS: 16 bar -  
 ⚠️ **Not suitable for pulsatory pace.**

LR CE 0035 ISO 9001 3.1  
10 €/DN

**379 - NBR gasket - Aluminium bronze plates**  
 TS: -10°C/+90°C.



DN	50	65	80	100	125	150	200	250	300
face to face	54	54	57	64	70	76	95	108	143
code	379050	379065	379080	379100	379125	379150	379200	379250	379300

97/23/EC Directive N°0035 - Risk category III / module H - Between flanges PN25 up to DN200, PN10/16 above - CF8M body - PS: 16 bar up to DN300, 10 bar above -  
 ⚠️ **Not suitable for pulsatory pace.**

CE 0035 ISO 9001 3.1  
10 €/DN

**372 - FKM gasket - CF8M plates**  
 TS: -10°C/+200°C.



DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face	54	54	57	64	70	76	95	108	143	184	191	203	213	222
code	372050	372065	372080	372100	372125	372150	372200	372250	372300	372350	372400	372450	372500	372600



## Spring - Cast iron

Excluded from 2014/68/EU Directive (article 1, §2.b & article 4, §3) - GG25 body - Epoxy coated - EPDM gasket - All positions - PS: 16 bar.

ISO 9001 3.1  
10 €/DN

### 369 - Flanged PN16

F304 throttle - TS: -10°C/+110°C.



DN	50	65	80	100	125	150	200	250	300
face to face	100	120	135	165	200	231	288	354	395
code	369050	369065	369080	369100	369125	369150	369200	369250	369300

### 366 - Flanged PN16 - For drinking water

GGG40 throttle - TS: -10°C/+120°C.



DN	50	65	80	100	125	150	200	250	300
face to face	100	120	140	165	195	230	290	355	400
code	366050	366065	366080	366100	366125	366150	366200	366250	366300



Up to DN600 on request

## Ball

Excluded from 2014/68/EU Directive (article 1, §2.b) - For water treatment and water distribution networks - Epoxy coated - PS: 10 bar.

ISO 9001 3.1  
10 €/DN

### Threaded

#### 331 - Ductile iron GGG40 body

NBR ball up to 1"1/2, NBR coated aluminium ball above - TS: -10°C/+80°C.



Ø	1"	1"1/4	1"1/2	2"	2"1/2	3"
face to face	141	141	150	175	214	248
code	331006	331007	331008	331009	331010	331011

#### 335 - Cast iron GG25 body

NBR coated aluminium ball - According to EN 12050-4 for lifting stations - TS: -10°C/+70°C.



Ø	1"	1"1/4	1"1/2	2"	2"1/2	3"
face to face	141	141	150	175	214	248
code	335006	335007	335008	335009	335010	335011



#### 339 - Stainless steel

Full F316 body & parts - FKM coated aluminium ball - PS: 16 bar - TS: 0°C/+150°C.



Ø	1"1/4	1"1/2	2"
face to face	175	190	210
code	339007	339008	339009

### Flanged RF PN10 - DIN 3202 F6

#### 332 - Ductile iron GGG40 body

NBR ball for DN40, NBR coated aluminium ball up to DN80, NBR coated steel ball above - TS: -10°C/+80°C.



DN	40	50	65	80	100	125	150	200	250	300
face to face	178	200	240	260	300	350	400	500	600	700
code	332040	332050	332065	332080	332100	332125	332150	332200	332250	332300

#### 336 - Cast iron GG25 body (DN65 to DN100) - Ductile iron GGG40 body (others)

NBR coated aluminium ball up to DN200, NBR coated ductile iron ball above -

According to EN 12050-4 for lifting stations - TS: -10°C/+70°C.



DN	40	50	65	80	100	125	150	200	250	300	350	400
face to face	180	200	240	260	300	350	400	500	600	700	800	900
code	336040	336050	336065	336080	336100	336125	336150	336200	336250	336300	336350	336400

## Foot valves

Excluded from 2014/68/EU Directive (article 1, §2.b & article 4, §3) - GG25 body - Epoxy coated - Carbon steel strainer - All positions.

ISO  
9001



### 368 - Flanged PN16 - Check valve 369 with strainer basket

TS: -10°C/+110°C.

DN	50	65	80	100	125	150	200	250
code	368050	368065	368080	368100	368125	368150	368200	368250



### 363 - Flanged PN16 - Check valve 366 with strainer basket

TS: -10°C/+120°C.

DN	50	65	80	100	125	150	200	250	300
code	363050	363065	363080	363100	363125	363150	363200	363250	363300



## Strainer baskets

### 391 - Full stainless steel F316

TS: 0°C/+150°C.

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
mesh (mm)	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,5	1,5	2,0
391 code	391003	391004	391005	391006	391007	391008	391009	391010	391011	391012



### 367 - Flanged PN10/16 - Galvanized carbon steel

TS: -20°C/+200°C - Mesh 6 mm.

### 376 - Flanged PN10/16 - Stainless steel F304

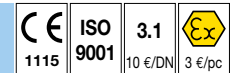
TS: -20°C/+200°C - Mesh 6 mm.

DN	50	65	80	100	125	150	200	250	300
367 code	367050	367065	367080	367100	367125	367150	367200	367250	367300
376 code	376050	376065	376080	376100	376125	376150	376200	376250	376300

# Y-strainers

## Threaded

97/23/EC Directive N°1115 - Risk category III / module H - A105N carbon steel body - F316 screen - Mesh 0,8 mm - With draining cap - PS: 136 bar - TS: -29°C/+425°C.



### 232 - Carbon steel

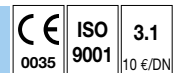
### 234 - Carbon steel

### 231 - Carbon steel

NPS	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
232 code	232008	232010	232015	232020	232025	232032	232040	232050
234 code	234002	234003	234004	234005	234006	234007	234008	234009
231 code	231002	231003	231004	231005	231006	231007	231008	231009



97/23/EC Directive N°0035 - Risk category III / module H - CF8M body - F304 screen - Mesh 1 mm - With draining cap - PS: 16 bar - TS: -20°C/+200°C.

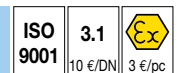


### 230 - Stainless steel

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	230002	230003	230004	230005	230006	230007	230008	230009



Excluded from 2014/68/EU Directive (article 4, §3) - F316 stainless steel body - Mesh 0,8 mm - With draining cap - PS: 132 bar - TS: -29°C/+538°C.



### 239 - Stainless steel

NPS	1/4"	3/8"	1/2"	3/4"	1"
code	239002	239003	239004	239005	239006



## Flanged

Excluded from 2014/68/EU Directive (article 1, §2.b) - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - EN 558 series 1 - GG25 body - Stainless steel screen - With draining cap - PS: 10 bar for PN10 strainers, 16 bar for PN16 strainers.

ISO 9001 3.1  
10 €/DN

### 220 - Cast iron

F304 screen - Grey epoxy paint - TS: -10°C/+120°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
mesh (mm)	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,5	1,5	1,5	1,5	3	3
face to face	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
PN10 code	-	-	-	-	-	-	-	-	-	-	-	220201	220250	220300	220350	220400
PN16 code	220015	220020	220025	220032	220040	220050	220065	220080	220100	220125	220150	220200	220251	220301	-	-

### 233 - Cast iron - Water use

F316 screen & draining cap - Blue epoxy paint - TS: -10°C/+80°C.



DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
mesh (mm)	1	1	1,25	1,25	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6
face to face	200	230	290	310	350	400	480	600	600	730	730	850	850
code	233040	233050	233065	233080	233100	233125	233150	233200	233201	233250	233251	233300	233301
code with draining valve	233043	233053	233063	233083	233103	233123	233153	233203	233204	233253	233254	233303	233304

97/23/EC Directive N°0062 - Risk category III / module H - Flanged PN16 - DIN 3202 F1 - GG25 body - F304 screen - With draining cap - PS: 16 bar - TS: -10°C/+300°C - ⚠️ Steam up to 10 bar max.

CE 0062 ISO 9001 3.1  
10 €/DN

### 236 - Cast iron - High temperature



DN	15	20	25	32	40	50	65	80	100	125	150	200
mesh (mm)	1	1	1	1	1	1	1,25	1,25	1,6	1,6	1,6	1,6
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	236015	236020	236025	236032	236040	236050	236065	236080	236100	236125	236150	236200

97/23/EC Directive N°0036 - Risk category III / module H - Flanged RF PN40 - EN 558 series 1 - A216WCB body - F304 screen - PS: 40 bar - TS: -20°C/+425°C.

CE 0036 ISO 9001 3.1  
10 €/DN

### 235 - Carbon steel - High temperature



DN	15	20	25	32	40	50	65	80	100	125	150	200
mesh (mm)	1	1	1	1	1	1	1,25	1,25	1,6	1,6	1,6	1,6
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	235015	235020	235025	235032	235040	235050	235065	235080	235100	235125	235150	235200

97/23/EC Directive N°0062 - Risk category III - Flanged RF PN16 - EN 558 series 1 - Carbon steel P265 GH body - F304 screen - PS: 16 bar - TS: -20°C/+400°C.

CE 0062 ISO 9001 3.1  
10 €/DN

### 861 - Carbon steel - Gas service



DN	50	65	80	100	125	150	200
mesh (mm)	1,5	1,5	1,5	1,5	1,5	1,5	1,5
face to face	230	290	310	350	400	480	600
code	418307	418308	418309	418310	418311	418312	418313

2014/68/EU Directive N°0035 - Risk category III / module H - Flanged RF PN16 - EN 558 series 1 - CF8M body - F304 screen - PS: 16 bar - TS: -20°C/+200°C.

CE 0035 ISO 9001 3.1  
10 €/DN 3 €/pc

### 240 - Stainless steel



DN	15	20	25	32	40	50	65	80	100	125	150	200
mesh (mm)	0,8	0,8	0,8	0,8	0,8	0,8	1	1	3	3	3	3
face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	240015	240020	240025	240032	240040	240050	240065	240080	240100	240125	240150	240200

## Rubber expansion joints for HVAC & water distribution

### ■ Threaded

Excluded from 2014/68/EU Directive (article 4, §3) - Lloyd's Register Type Approval for marine applications - Galvanized cast iron union fittings - Nylon reinforced liner - PS: 16 bar - TS: -10°C/+100°C.



#### 1504 - EPDM double wave (BSP)

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
length (mm)	200	200	200	200	200	200	240	240
code	1504004	1504005	1504006	1504007	1504008	1504009	1504010	1504011

### ■ Flanged

Excluded from 2014/68/EU Directive (article 4, §3) - Lloyd's Register Type Approval for marine applications - Swiveling flanges - Galvanized steel flanges - Nylon reinforced liner - PS: 16 bar for PN16 expansion joints, 10 bar for PN10 expansion joints - TS: -10°C/+100°C.



#### 1501 - EPDM - Flanged PN10/16 up to DN150, PN10 above

#### 1502 - EPDM - Flanged PN16



DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
length (mm)	95	95	105	115	130	135	170	180	205	240	260	266	266	200	200	250
1501 code	1501032	1501040	1501050	1501065	1501080	1501100	1501125	1501150	1501200	1501250	1501300	1501350	1501400	1501450	1501500	1501600
1502 code	-	-	-	-	-	-	-	-	1502200	1502250	1502300	-	-	-	-	-

#### 1505 - EPDM - Flanged PN10/16 up to DN150, PN10 above

Length 130 mm.



DN	32	40	50	65	80	100	125	150	200	250	300
length (mm)	130	130	130	130	130	130	130	130	130	130	130
code	1505032	1505040	1505050	1505065	1505080	1505100	1505125	1505150	1505200	1505250	1505300

Excluded from 2014/68/EU Directive (article 4, §3) - Lloyd's Register Type Approval for marine applications - Swiveling flanges - Galvanized steel flanges - Nylon reinforced liner - PS: 16 bar for PN16 expansion joints, 10 bar for PN10 expansion joints - TS: -10°C/+80°C.



#### 1503 - NBR - Flanged PN10/16 up to DN150, PN10 above



DN	32	40	50	65	80	100	125	150	200
length (mm)	95	95	105	115	130	135	170	180	205
code	1503032	1503040	1503050	1503065	1503080	1503100	1503125	1503150	1503200

#### 1506 - NBR - Flanged PN10/16 up to DN150, PN10 above

Length 130 mm.



DN	32	40	50	65	80	100	125	150	200
length (mm)	130	130	130	130	130	130	130	130	130
code	1506032	1506040	1506050	1506065	1506080	1506100	1506125	1506150	1506200

### ■ Option

#### Steel expansion limiter - Flanged PN10 & PN16

For 1501 & 1503 - Supplied with 2 tie rods & 4 plates up to DN300 or 4 tie rods & 8 plates above. For 1505 & 1506, see page 65.

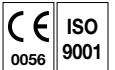
⚠ Expansion joint & flanges not included.



DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PN10 code	9860407	9860408	9860409	9860410	9860411	9860412	9860413	9860414	9860415	9860416	9860417	9860418	9860419	9860420	9860421	9860422
PN16 code	9860407	9860408	9860409	9860410	9860411	9860412	9860413	9860414	9860315	9860316	9860317	-	-	-	-	-

## Rubber expansion joints for industry - Teguflex®

97/23/EC Directive N°0056 - Risk category III / module H - ABS, DNV or GL Type Approval for marine applications available depending on figure - Swiveling flanges - Dichromate zinc plated steel flanges (except 1560 & 1565: see description) - Integrated sealing surface with steel wire core - Synthetic fiber reinforcement - Standard length: 130 mm - Axial allowable movement: -30mm/+20mm - Lateral allowable movement: -/+20mm - PS: 16 bar up to DN50; 10 bar above.



### 1560 - EPDM liner

EPDM external cover - TS: -35°C/+90°C.

Main applications: **Water** / Hot water, cooling water with salt solutions, chlorine solutions, esters and ketones.



DN	32	40	50	65	80	100	125	150	200	250	300
steel flanges code	1560032	1560040	1560050	1560065	1560080	1560100	1560125	1560150	1560200	1560250	1560300
F316 flanges code	-	-	1560051	1560066	1560081	1560101	1560126	1560151	1560201	-	-

### 1561 - ACS EPDM liner

EPDM external cover - TS: -25°C/+90°C.

Main applications: **Drinkable water**.



DN	32	40	50	65	80	100	125	150	200	250	300
code	1561032	1561040	1561050	1561065	1561080	1561100	1561125	1561150	1561200	1561250	1561300

### 1562 - High temperature EPDM liner

EPDM external cover - TS: -35°C/+130°C.

Main applications: **Steam** / Steam and hot air up to 130°C, hot water, cooling/heating water.



DN	32	40	50	65	80	100	125	150	200	250	300
code	1562032	1562040	1562050	1562065	1562080	1562100	1562125	1562150	1562200	1562250	1562300

### 1563 - ECO / Epichlorhydrin liner

ECO external cover - TS: -25°C/+90°C.

Main applications: **Oil** / Water, saline solutions, alkalis, mineral oil, vegetable, oils aerosols, propane & butane gas.



DN	32	40	50	65	80	100	125	150	200	250	300
code	1563032	1563040	1563050	1563065	1563080	1563100	1563125	1563150	1563200	1563250	1563300

### 1564 - CSM / Chlorosulphonated Polyethylene liner

CR external cover - TS: -25°C/+90°C.

Main applications: **Chemicals** / Strong and concentrated acids, compressed air that bears oil aerosols.



DN	32	40	50	65	80	100	125	150	200	250	300
code	1564032	1564040	1564050	1564065	1564080	1564100	1564125	1564150	1564200	1564250	1564300

### 1566 - SBR / Styrene Butadiene Rubber liner

CR external cover - TS: -35°C/+90°C.

Main applications: **Abrasion** / Hydraulic abrasive materials, suspended stones, mud, calcium.



DN	50	65	80	100	125	150	200	250	300
code	1566050	1566065	1566080	1566100	1566125	1566150	1566200	1566250	1566300

### 1565 - White NBR liner

ECO external cover - Dichromate zinc plated steel flanges or F316 flanges - TS: -25°C/+90°C.

Main applications: **Food** / Food and beverage including fats and oils.



DN	50	65	80	100	125	150	200	250	300
steel flanges code	1565051	1565066	1565081	1565101	1565126	1565151	1565201	1565251	1565301
F316 flanges code	1565050	1565065	1565080	1565100	1565125	1565150	1565200	1565250	1565300

### 1567 - FKM liner

FKM external cover - TS: -20°C/+150°C.

Main applications: **Chemical high temperature** / Chemical fluids highly aggressive with high temp. Up to 150°C.



DN	50	65	80	100	125	150	200	250	300
code	1567050	1567065	1567080	1567100	1567125	1567150	1567200	1567250	1567300

not on stock, on request. Approx. 3 weeks delivery time on all ref. except 1567 (6 weeks).



## 1560T - EPDM liner - Teflon® inner lining

EPDM external cover - ⚠ Available movement reduced by 50%.

DN	50	65	80	100	125	150	200
code	1560052	1560067	1560082	1560102SF	1560127	1560152	1560202

not on stock, on request. Approx. 10 weeks delivery time.

### Options

#### For Teguflex® range, 1505 & 1506 - Steel expansion limiter - Flanged PN10 & PN16

Supplied with 2 tie rods & 4 plates - ⚠ Expansion joint & flanges not included.



DN	32	40	50	65	80	100	125	150	200	250	300
PN10 code	9860607	9860608	9860609	9860610	9860611	9860612	9860613	9860614	9860615	9860616	9860617



#### Stainless steel vacuum support ring

DN	50	65	80	100	125	150	200	250	300
code	9815050	9815065	9815080	9815100	9815125	9815150	9815200	9815250	9815300

## Metal expansion joints



97/23/EC Directive N°0036 - Risk category II / module A1 - PS: 16 bar - TS: -20°C/+300°C.



### 1551 - Threaded - With external & internal liner (ESP)

Aluminium external liner - Steel internal liner - Stainless steel 316 bellow.

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
length (mm)	255	240	265	300	300	300
code	1551004	1551005	1551006	1551007	1551008	1551009

### 1511 - Welding (BM)

Steel welding ends - Stainless steel 321 bellow & internal liner.



DN	25	32	40	50	65	80	100	125	150	200	250
length (mm)	185	185	200	270	260	275	310	310	350	330	360
code	1511025	1511032	1511040	1511050	1511065	1511080	1511100	1511125	1511150	1511200	1511250

### 1521 - Flanged RF PN16

Steel flanges - Stainless steel 321 bellow & internal liner.



DN	25	32	40	50	65	80	100	125	150	200	250
face to face	105	105	120	150	140	155	220	190	270	275	285
code	1521025	1521032	1521040	1521050	1521065	1521080	1521100	1521125	1521150	1521200	1521250

## Rubber-metal pipe connector



Excluded from 2014/68/EU Directive (article 4, §3) - Plain EPDM body - Steel insert flanges - Supplied with screws - PS: 10 bar - TS: -10°C/+100°C.



### 1509 - EPDM - Between flanges PN10



DN	32	40	50	65	80	100	125	150	200
length (mm)	71	71	71	71	71	71	71	71	71
code	1509032	1509040	1509050	1509065	1509080	1509100	1509125	1509150	1509200