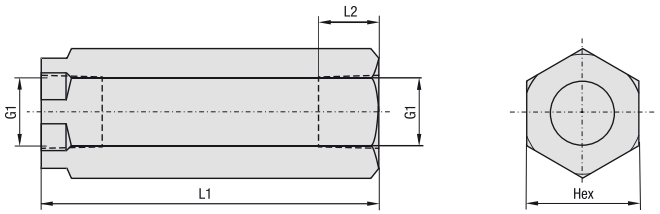
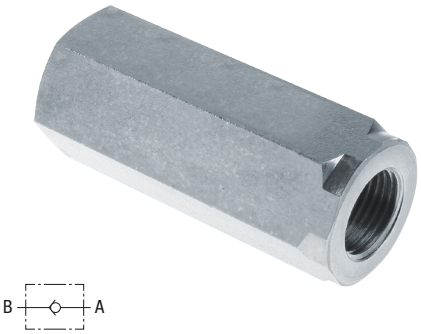
Medium-Duty Check Valve ▪ Type RVM (In-Line Assembly)





Dimensions

Type + Nominal Size	Thread Options G1	Dimensions (mm/in) L1	L2	Hex	Working Pressure PN (bar/PSI)	Weight (kg/lbs)
RVM-08	1/4 NPT G1/4 BSP	63,0	12,5	22	400	0,17
		2.48	.49	.87	5800	.38
RVM-10	3/8 NPT G3/8 BSP	69,0	12,5	27	400	0,26
		2.72	.49	1.06	5800	.58
RVM-12	1/2 NPT G1/2 BSP	80,5	15,5	32	400	0,42
		3.17	.61	1.26	5800	.93
RVM-16	3/4 NPT G3/4 BSP	99,5	17,0	36	400	0,61
		3.92	.67	1.42	5800	1.36

Order Codes

RVM - 12 - 07 - N

① ② ③ ④

① Type

Medium-Duty Check Valve (In-Line Assembly)	**RVM**

② Nominal Size DN

08	**10**	**12**	**16**

③ Opening Pressure

0,5 bar / 7 PSI (standard option)	**07**
2 bar / 30 PSI	**30**
4 bar / 60 PSI	**60**

Consult STAUFF for alternative opening pressures.

④ Connection

Female NPT thread (ANSI B1.20.1)	**N**
Female BSP thread (ISO 228)	**B**

Characteristics

Allows a single-directional flow only

Features

- Designed for in-line assembly with female NPT and BSP threaded connections
- Ideal for medium-duty applications
- Metal-to-metal seat

Media Compatibility

- Suitable for hydraulic fluids

Please consult STAUFF before using with other media.

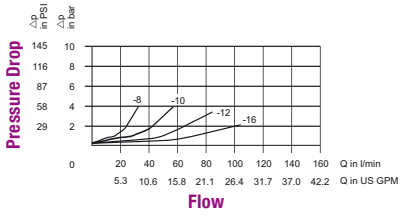
Materials

- Body made of Steel, zinc/nickel-coated (free of hexavalent chromium CrVI)
- Ball made of Stainless Steel

Technical Data

- Opening pressure: 0,5 bar / 7 PSI
- Field replaceable springs with a pressure setting of 2 bar / 30 PSI or 4 bar / 60 PSI
- Maximum working pressure: 400 bar / 5800 PSI (for all sizes)
- Operating temperature range: -20 °C ... +100 °C / -4 °F ... +212 °F

Flow Characteristics



Accessories / Spare Parts

Field replaceable springs

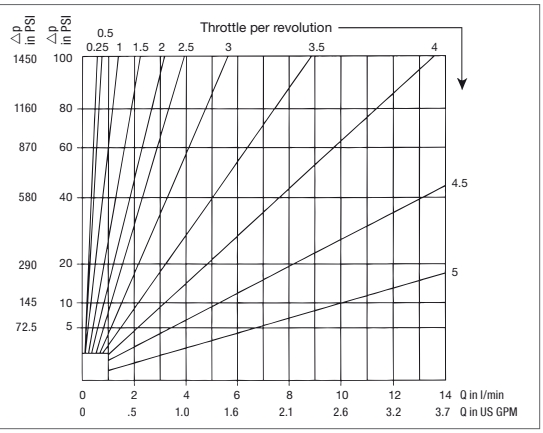
▪ for RVM-08 (setting of 2 bar / 30 PSI):	**RVM-08-30**
▪ for RVM-08 (setting of 4 bar / 60 PSI):	**RVM-08-60**
▪ for RVM-10 (setting of 2 bar / 30 PSI):	**RVM-10-30**
▪ for RVM-10 (setting of 4 bar / 60 PSI):	**RVM-10-60**
▪ for RVM-12 (setting of 2 bar / 30 PSI):	**RVM-12-30**
▪ for RVM-12 (setting of 4 bar / 60 PSI):	**RVM-12-60**
▪ for RVM-16 (setting of 2 bar / 30 PSI):	**RVM-16-30**
▪ for RVM-16 (setting of 4 bar / 60 PSI):	**RVM-16-60**

Consult STAUFF for alternative pressure settings.

Nominal Flow Rate vs. Pressure Drop

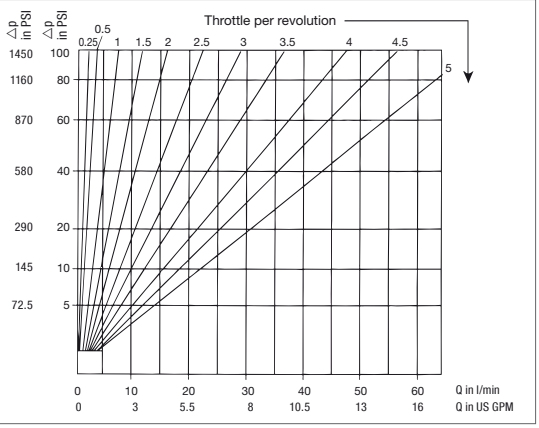
DV
DRV
DVP
DRVP
DVE

DN 06



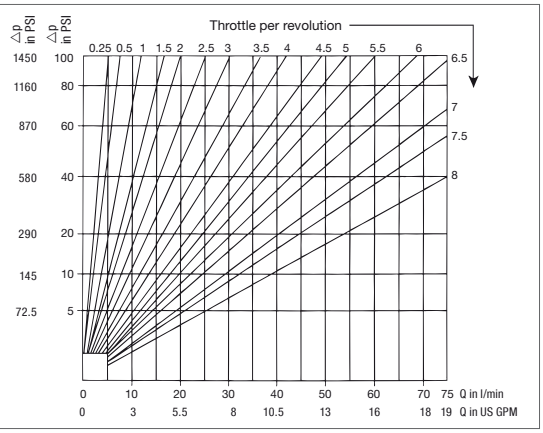
DV
DRV
DVP
DRVP
DVE

DN 08



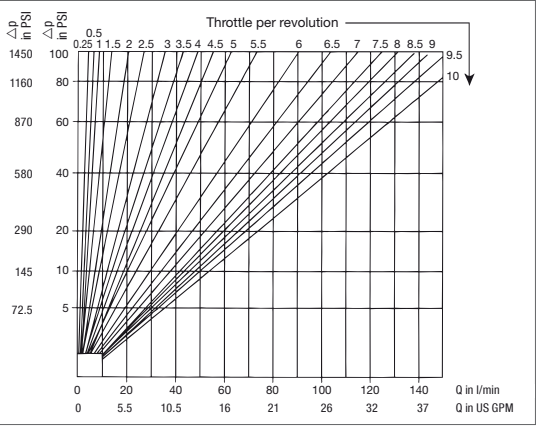
DV
DRV
DVP
DRVP
DVE

DN 10



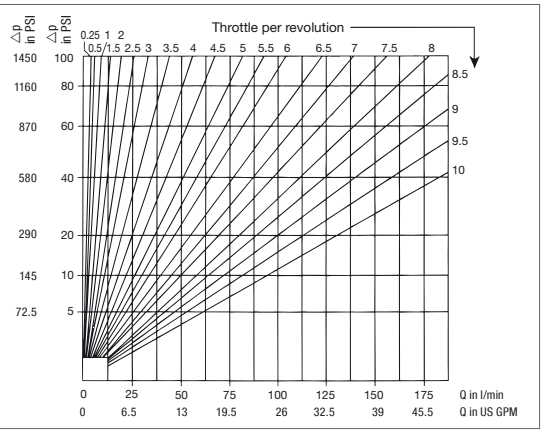
DV
DRV
DVP
DRVP
DVE

DN 12



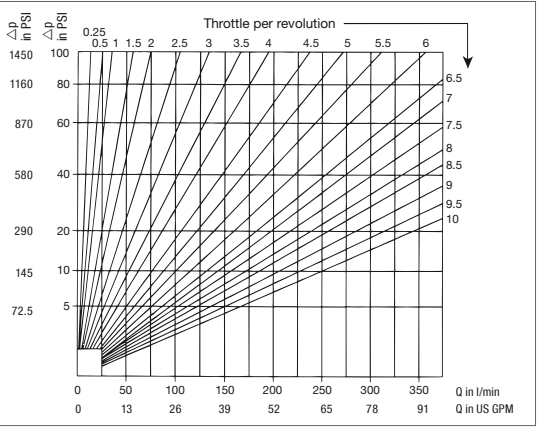
DV
DRV
DVP
DRVP
DVE

DN 16



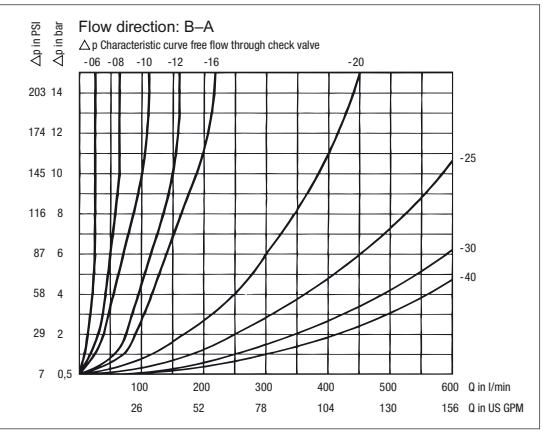
DV
DRV
DVP
DRVP
DVE

DN 20-40



DRV
DRVP
RV

DN 06-40



Please note: The flow characteristics mentioned on this page are valid for mineral oils with a density of 0,86 kg/dm³ and the kinematic viscosity of 35 mm²/s (35 cSt). The characteristics have been determined in accordance to ISO 3968.