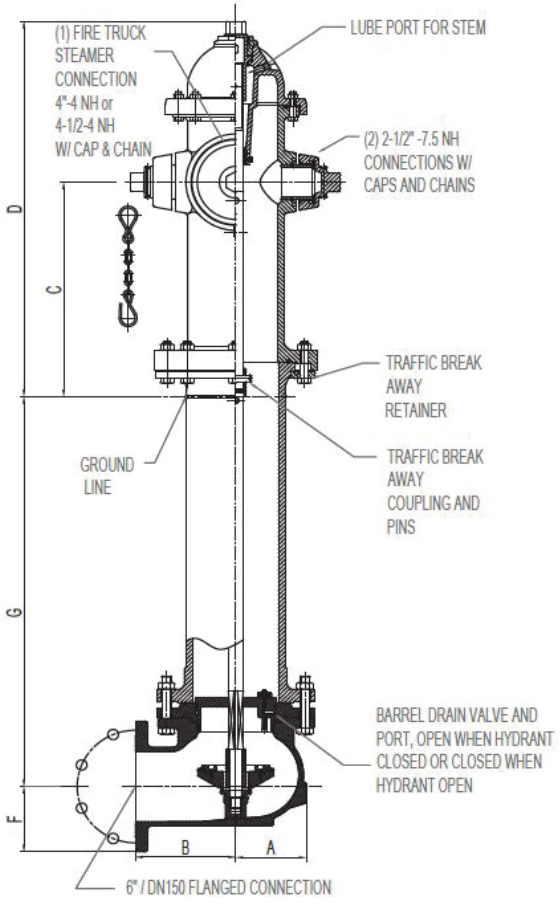
ARITA UL/FM FIRE HYDRANT DRY TYPE

Model

HYD-15D series Fire Hydrant Dry Type

Feature	Benefit
Ductile Iron Hydrant Body and Barrel	Weighs ~50% less than conventional cast iron design, easy on-site handling and halved shipping cost while providing higher structure strength
Reliable Seating	Resilient material to bronze seal construction
360° Nozzle Rotation	Suitable for all kinds of different application
Efficient hydraulic design	Provides optimum performance and maximum flow
Epoxy Resin Coated Interior and Exterior by AKZO NOBEL Resicoat® R4-ES	Enhanced UV protection in exposed installations for long and reliable service life, internally protect against corrosion and abrasion
Extra Safety Design Measure	Secured by stainless-steel safety stem coupling and hydrant to prevent traffic damage by pulling out if hit by vehicle preventing damage to the main valve and stem
Easy Installation and Removal	Removable main valve from either the bonnet or grounded line flange for different situation



ASME B16.5 Class 150

ACCESSORIES

• **SEAT REMOVAL WRENCH —** A light-weight universal combination tool is used to remove the main valve components. The copper alloy seat ring unthreads from the drain ring by engaging the wrench with the upper stem pin.

• **THRUST NUT WRENCH —** The wrench fits the thrust nut for easy removal.

• **LUBRICATION —** The lubrication reservoir is filled with grease during manufacture. To add lubrication, remove the weather cap and put the lubricant into the reservoir through the opening on the top of the operating nut, or remove operating nut and fill lubrication reservoir with food grade grease or oil.

• **EXTENSION KIT —** Contains everything required to extend the stem and barrel. Available in 6" increments.

• **SAFETY FLANGE REPAIR KIT —** Includes safety flange, stem coupling and pins, flange O-rings, all bolts, nuts, and hardware to repair a hydrant damaged due to a traffic accident.

• **MAIN VALVE SEAT REPAIR KIT —** Contains two drain valve facings and pins, seat ring O-rings, lower valve plate lock washer, main valve seat, container of lubrication.

• **BONNET REPAIR KIT —** Complete with O-rings for the bonnet,

DIMENSIONAL INFORMATION

Optional :

• Inlet flanged ASME B16.5 Class 150 or mechanical AWWA C153 / A21.536
• Depth option: 42", 48", 54", 60", 66", 72", 78", 84"
• Outlet (2) 2-1/2" hose connection thread type specify, standard: 7.5NH
• Steamer pumper outlet standard: (1) 4-1/2"-4NH, also available 4"-4NH optional adapter fitting

TECHNICAL DATA

Size

Main Valve	5-1/4 inch
Inlet Flange	6 inch

Approval

UL Listed
FM Approved

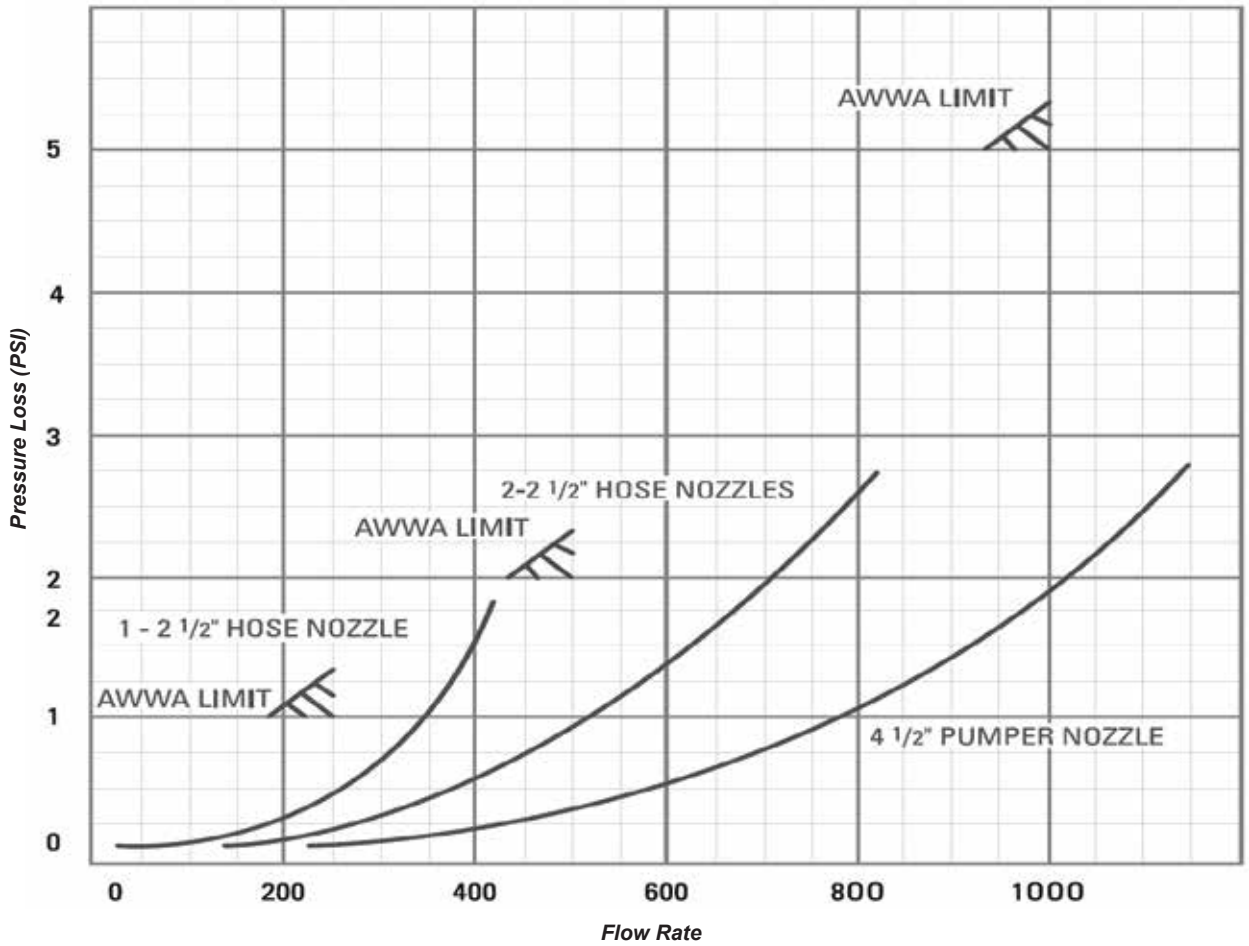
Pressure Rating

250 PSI
Hydrostatically tested up to 500 PSI

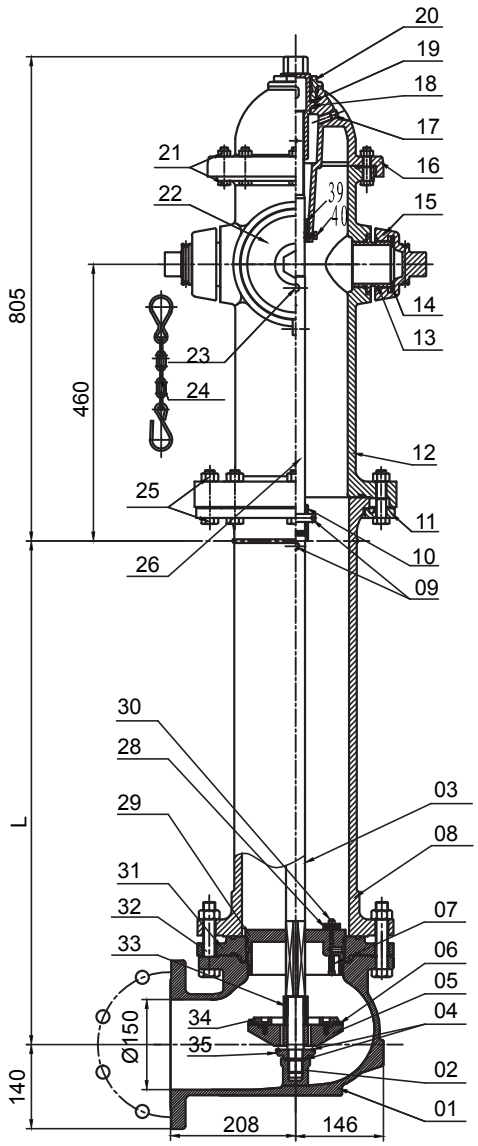
Standard

Compliance	FM1510 / UL 246 / ANSI 61 / ANSI 372 NSF 61
Design Standard	ANSI / AWWA C502
Flange Connector	ASME B16.5 ANSI 150
Mechanical Connector	AWWA / ANSI C153 / A21.53
Epoxy Coating	AWWA C550

FLOW RATE



FIRE HYDRANT (DRY BARREL TYPE)



No	Name	Qty	Material	Remark
1	Flange connector	1	DI	
2	Locking nut	1	DI	
3	Connecting rod	1	1045	ASTM A29\29M
4	Locking nut gasket	1	EPDM	
5	Tray	1	DI	
6	Sealed rubber sheet	1	EPDM	
7	Drain hole spring	2	316	ASTM A240
8	Connecting cylinder	1	DI	
9	Perforated cylindrical pin	2	1045	ASTM A29\29M
10	Connecting rod sleeve	1	1045	ASTM A29\29M
11	Clamp for connection tube	1	DI	
12	Main body on groud	1	DI	
13	65 Connector	2	C95400	ASTM B148
14	65 Cover Gasket	2	EPDM	
15	65 Cover	2	DI	
16	Upper end cover	1	DI	
17	Thread plug	1	C95400	ASTM B148
18	Screw stem nut	1	C95400	ASTM B148
19	Screw nut gasket	1	C95400	ASTM B148
20	Screw nut seat	1	C95400	ASTM B148
21	Bolt, Nut	8	1035	ASTM A29\29M
22	100 COver	1	DI	
23	Cylinder pin	1	1045	ASTM A29\29M
24	Cover chain	3	Gr. B	ASTM A283-B
25	Bolt, Nut	8	1035	ASTM A29\29M
26	Screw stem	1	1045	ASTM A29\29M
28	Drain hole cover	1	C954000+EPDM	
29	Seat	1	C954000	ASTM B148
30	Bolt, Nut	2	304	ASTM A240
31	Seat fixing palte	1	DI	
32	Bolt, Nut	6	1045	ASTM A29\29M
33	Annular tubes	1	1045	ASTM A29\29M
34	Palten	1	DI	
35	Locking nut seat	1	DI	
37	100 Connector	1	C95400	ASTM B148
38	100 Cover gasket	1	EPDM	Figure not shown
39	Screw steam bushing	1	304	ASTM A240
40	Bolt	2	304	ASTM A240

L	3”	3’6”	4”	4’6”	5”	5’6”	6”	6’6”	7”
	911	1063	1215	1368	1520	1520	1673	1978	2130

Technical requirement

1. Design standard : ANSI / AWWA C502.
2. Normal pressure : 250PSI.
3. Connecting thread of fire truck is 4.5-4NH, 2 thread connector of soft pipe is 2.5--7.5NH.
4. Flange connector : ASME B16.5 CLASS150/DIN 2501 PN16

ARITA UL/FM FIRE HYDRANT WET TYPE

Model
HYD-15W series Fire Hydrant Wet Type

Feature	Benefit
Ductile Iron Body	Weighs ~50% less than conventional cast iron design, easy on-site handling and halved shipping cost while providing higher structure strength
Efficient Hydraulic Design	Provides optimum performance and maximum flow
Epoxy Resin Coated Interior and Exterior by AKZO NOBEL Resicoat® R4-ES	Enhanced UV protection in exposed installations for long and reliable service life, internally protect against corrosion and abrasion
Contemporary Body Design	Features a contoured head and fluted spool

TECHNICAL DATA

Size

Monitor Flange	4 inch
Inlet Flange	6 inch

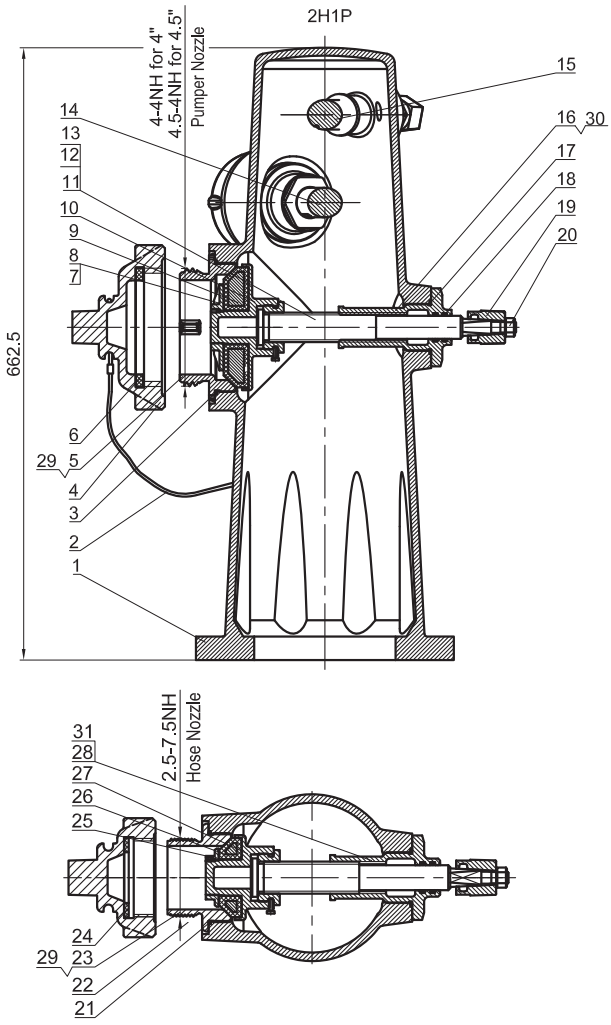
Approval
UL Listed
FM Approved

Pressure Rating
250 PSI
Hydrostatically tested up to 500 PSI

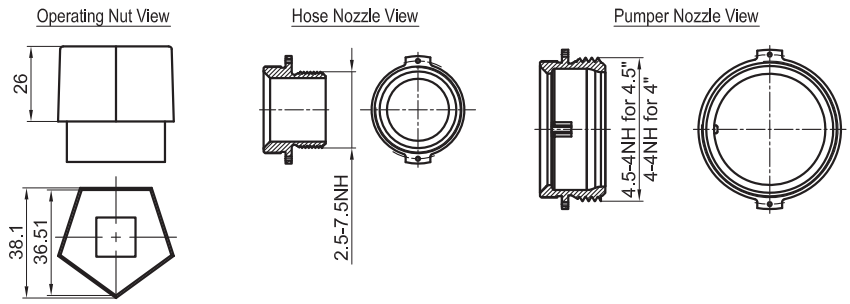
Standard

Compliance	FM1510 / UL 246 / NFPA 1963 / NSF 61
Design Standard	FM1510 / UL 246 / AWWA C503
Flange Connector	ASME B16.5 ANSI 125/150
Epoxy Coating	AWWA C550

WET HYDRANT WET BARREL (2H1P)



No	Name	Qty	Material	Comment
1	Body (2HP)	1	65-45-12	
2	Steel Wire Rope	3	SS304	
3	O-Ring	1	EPDM	136x3.5
4	Pumper Nozzle Cap (4,5")	1	65-45-12	
	Pumper Nozzle Cap (4")	1	65-45-12	
5	Pumper Nozzle (4.5")	1	C84400	
	Pumper Nozzle (4")	1	C84400	
6	Pumper Nozzle Gasket(4.5")	1	EPDM	
	Pumper Nozzle Gasket(4")	1	EPDM	
7	4.5" Gland	1	CF8	
8	Hex. Socket set Screws with Flat Point	3	A2	M5x6
9	4.5" DiscSealing Ring	1	EPDM	
10	4.5" Disc	1	CF8	
11	Shaft One	1	SS304/SS420	
12	Fasten Nut	3	CF8	
13	Hex. Socket Cap Screw	3	A2-70	M4x12
14	Shaft Two	1	SS304/SS420	
15	Shaft Three	1	SS304/SS420	
16	4.5 Shaft Nut	1	C84400	
17	O-Ring	3	EPDM	45x3.55
18	O-Ring	6	EPDM	25x3.55
19	Operating Nut	3	CF8	
20	Hex. Nut	3	A2-70	M12
21	O-Ring	2	EPDM	85x3.55
22	Hose Nozzle Cap	2	65-45-12	
23	Hose Nozzle	2	C84400	
24	Hose Nozzle Gasket	2	EPDM	
25	2.5"Gland	2	CF8	
26	2.5" Disc Sealing Ring	2	EPDM	
27	2.5 Disc	2	CF8	
28	Shaft Two Stem Nut	1	C84400	
29	Hex. Socket Set Screws with Flat Point	6	Carbon Steel+Zn	M5x16
30	Hex. Socket Set Screws with Flat Point	6	Carbon Steel+Zn	M5x16
31	Shaft Three Stem Nut	1	C84400	



Technical requirement

1. Inlet flange connection accord with ANSI/ASTM CL125/CL150 6" EN 1092-2 PN10/PN16 6"
2. Nozzle thread specifications:NFPA 1963