



®

MIRAB CO.

Manufacturer of Industrial Valves
and Relevant Equipment

Fire Hydrants



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Standing Type Fire Hydrant - Type 1

Size: DN 80 - DN 150

Pressure: PN10 & 16

Design According to: DIN3222 AUD model P5

Flanges: DIN-EN 1092-2 (DIN 2501)

Product feature:

Standing Type Fire Hydrant type 1 will be installed on the Main pipe line directly for different purposes such as: firefighting, water supply and distribution. Best locations for installation are next to: Hospitals, Educational Departments and Cinemas, Theater halls. These valves are designed in a way that if any accidents occur, only some bolts will be broken and the main pipeline will be in safe condition and the damaged bolts could be easily recharged.

Corrosion protection:

All casting parts fully coated with red electrostatic powder paint (RAL 3020) with minimum 250 micron thickness.

Hydrostatic test pressure (bar) according to DIN EN 12266-1		
Nominal Pressure PN (bar)	Shell Test	Closure Test
10	17	11
16	25	18

Material:

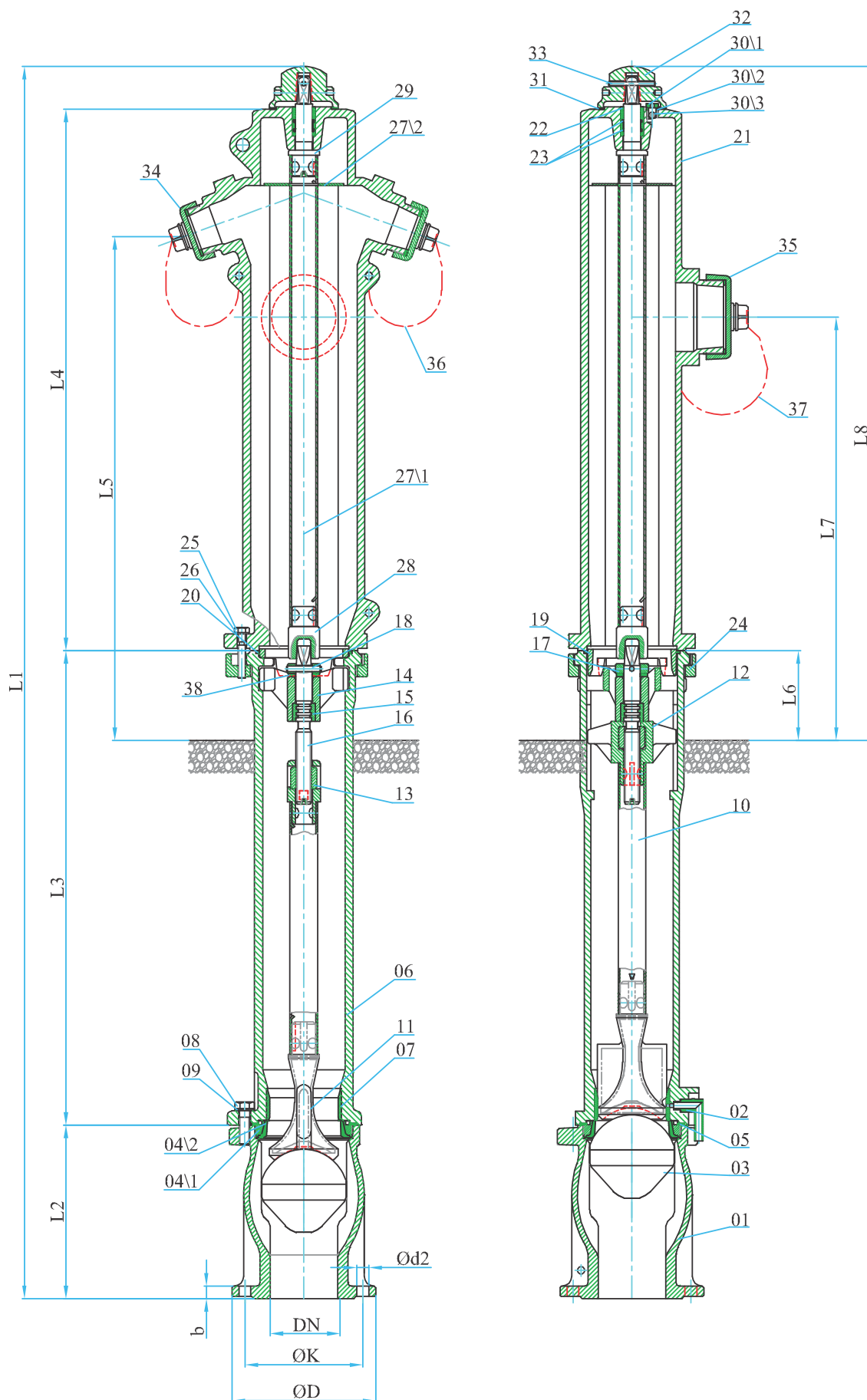
- Ball: polypropylene.
- Stem & lower pipes: 1.4021
- O-rings and sealing rubber: NBR
- Lucked ring & adaptor: Ductile cast iron, DIN EN 1563
- Body, split rings & coupling: Ductile cast iron, DIN EN 1563

Outlet water ports:

This valve includes 2 outlet connection ports in 2 1/2" & 1 of 4". These ports are blocked by plugs in ductile cast iron. To operate you need to remove each plug & set the aluminum coupling instead.

- Large diameter coupling: DIN 14319
- Small diameter coupling: DIN 14318





Part List

Part No.	Part Name	Part Material	Spare parts	Part No.	Part Name	Part Material	Spare parts
01	Lower Body	EN-GJS-400-15 (1)		21	Upper Body	EN-GJS-400-15 (1)	
02	Outlet Orifice	PA	●	22	Bush	Brass	
03	Ball	PP	●	23	O-Ring	NBR	●
04\1	Sealing Ring	EN-GJS-400-15	●	24	Split Ring	EN-GJS-400-15	
04\2	Sealing Rubber (Cast Iron Core)	EPDM/NBR		25	Hex. Head Bolt	A2	●
05	Sealing Rubber	EPDM/NBR	●	26	Washer	A2	
06	Middle Body	EN-GJS-400-15 (1)		27\1	Upper Intermediate Pipe	Steel	
07	Middle Body Bush	Brass		27\2	Washer	Steel	
08	Hex. Head Bolt	A2		28	Adaptor	EN-GJS-400-15	
09	Washer	A2		29	Tool	1.4021	
10	Lower Intermediate Pipe	1.4021		30\1	Bolt (Ventilation)	Brass	●
11	Centralized Ball	EN-GJS-400-15 / EPDM		30\2	O-Ring	NBR	●
12	Stem Nut Holder	EN-GJS-400-15		30\3	Ball	NBR	●
13	Stem Nut	Brass		31	Gasket	NBR	●
14	Stem Guide	EN-GJS-400-15		32	Cap	EN-GJS-400-15	
15	Bush	Brass		33	Pin	1.2210	
16	Stem	1.4021		34	Small connection ports (2)	EN-GJS-400-15	
17	Washer	EN-GJS-400-15		35	Large connection ports (2)	EN-GJS-400-15	
18	Stem Pin	1.2210		36	Chain	Steel	
19	Locking Ring	EN-GJS-400-15		37	Chain	Steel	
20	O-Ring	NBR	●	38	Washer	PTFE	

(1)EN-GJS-500-7 can be product as requested.

(2)Aluminum coupling can be product as requested.

Dimensions & weight (Type 1)

●DIN EN 1092 - 2 (DIN 2501)

DN mm	PN bar	●ØD mm	●ØK mm	●Ød2 mm	●n	●b mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	L8 mm	Weight Kg
80	10,16	200	160	19	8	19	1883	265	775	828	770	137	389	1030	87
100	10,16	220	180	19	8	19	1883	265	725	828	770	137	647	893	104.5
150	10,16	285	240	23	8	19	1883	265	725	828	770	137	647	893	110

Standing Type Fire Hydrant - Type 2

Size: DN 80 - DN 150

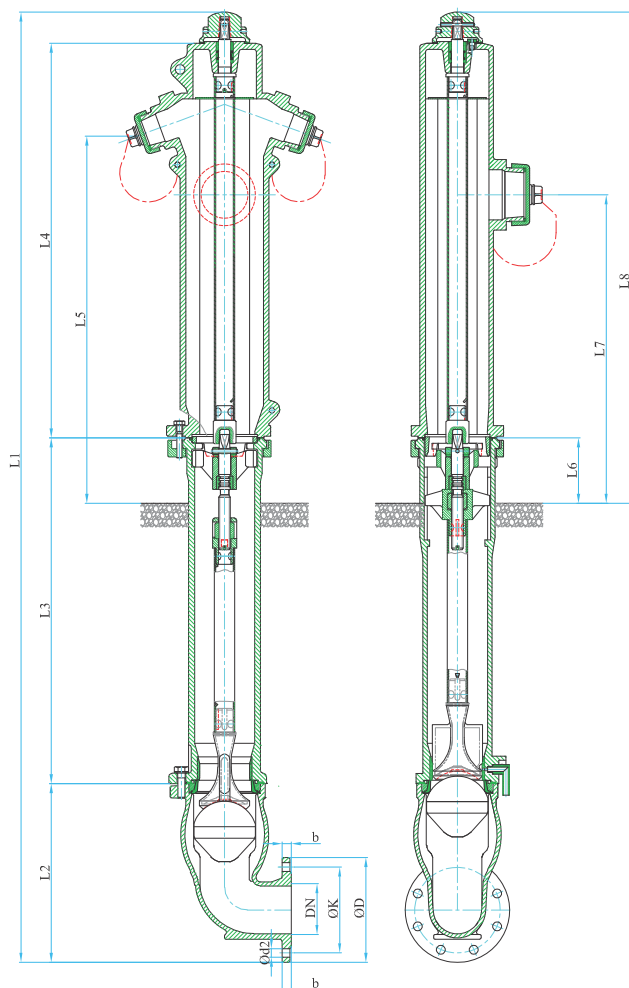
Pressure: PN10 & 16

Design According to: DIN3222 AUD model P5

Flanges: DIN-EN 1092-2 (DIN 2501)

Product feature:

This type equipped by a below body shaped on elbow, so there is no need for external elbow to be install. Technical specification & function are same to type 1.



Dimensions & weight:

• DIN EN 1092 - 2 (DIN 2501)

DN mm	PN bar	•ØD mm	•ØK mm	•Ød2 mm	•n	•b mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	L8 mm	Weight Kg
80	10,16	200	160	19	8	19	1983	365	775	828	770	137	389	1030	90
100	10,16	220	180	19	8	19	1993	375	725	828	770	137	647	893	107
150	10,16	285	240	23	8	19	2025	407	725	828	770	137	647	893	113

Pit fire hydrant

Size: DN 65 - DN 100 mm
Pressure rating: PN 10 & PN 16 bars
Flanges: according to DIN EN 1092-2 (DIN 2501)
The Hydrant valves are made according to B.S 750 and pressure rating PN10 & PN16 for installing underground with automatic drainage to prevent freezing during winter time.

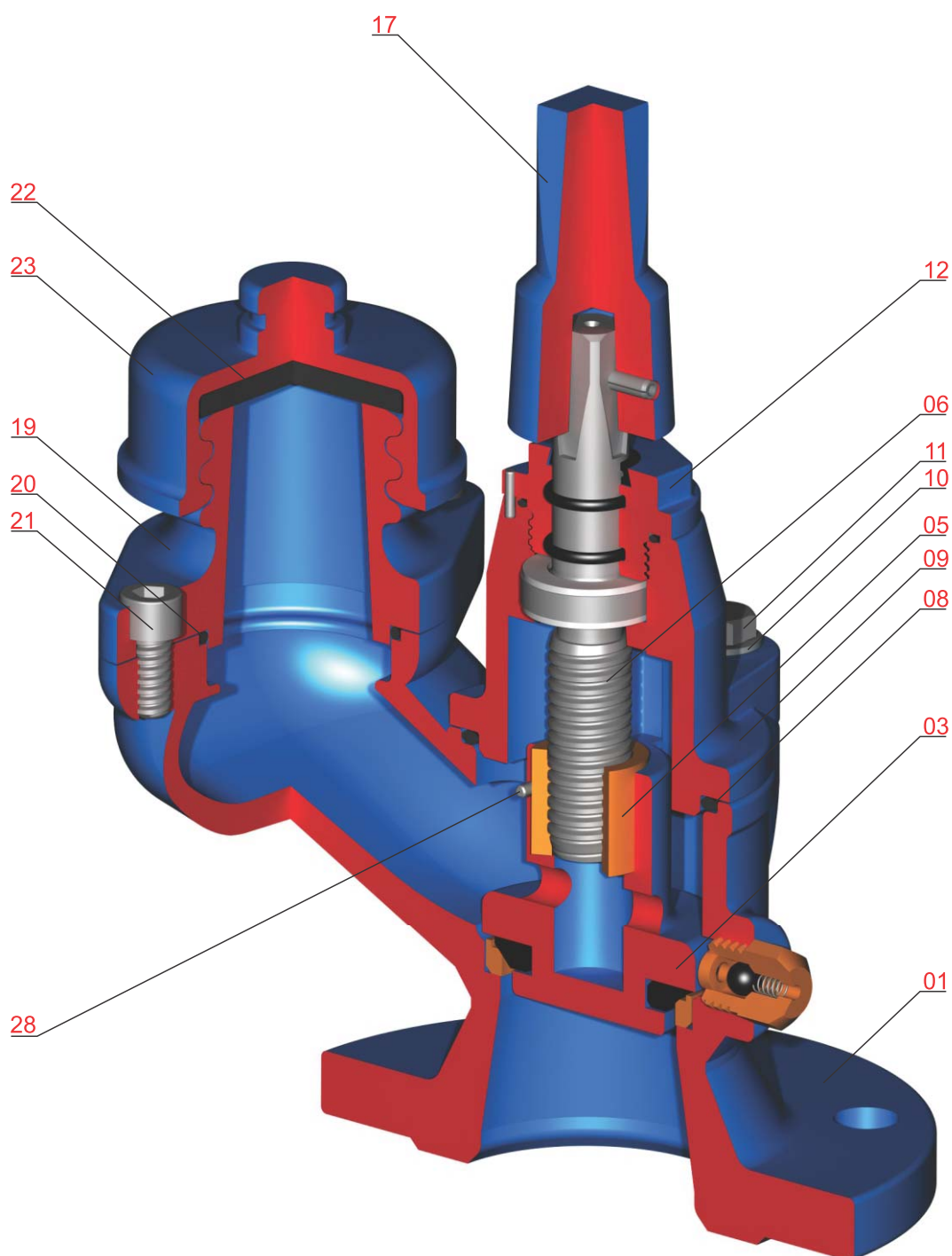
Product features:
Under ground fire hydrant is installed on pipe lines for various purpose, (firefighting, water supply & distributing).

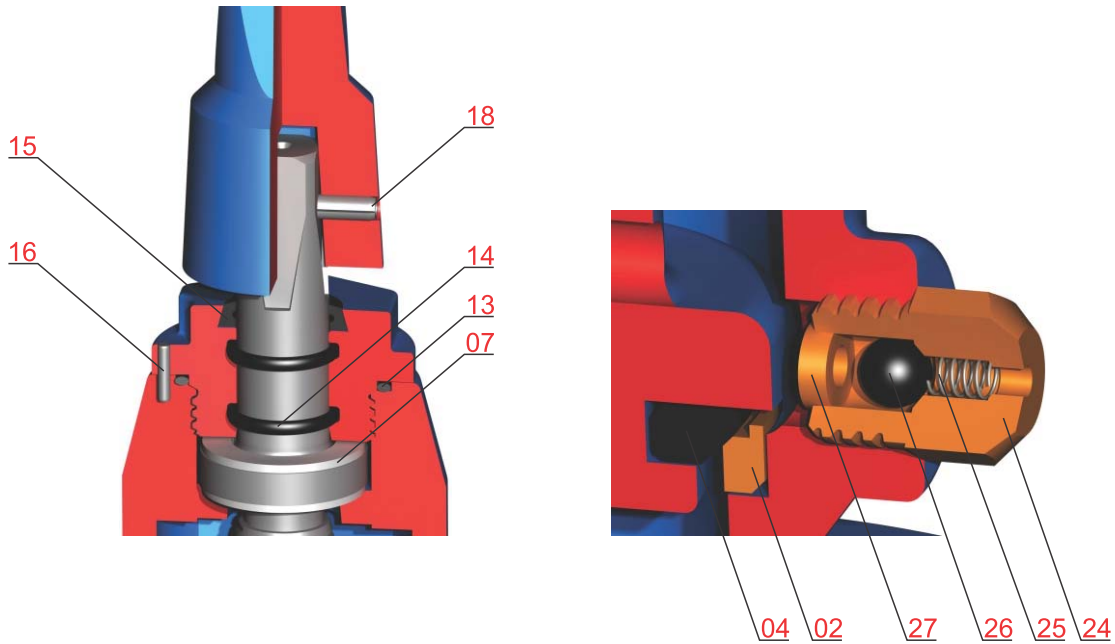
Corrosion protection:
All casting parts are fully coated with blue electrostatic powder paint (RAL 5005 or RAI 5015, with minimum 250 micron thickness).

Hydrostatic test Pressure (bar) according to DIN EN 12266-1		
Nominal Pressure PN (bar)	Shell Test	Closure Test
10	17	11
16	25	18



Prise List



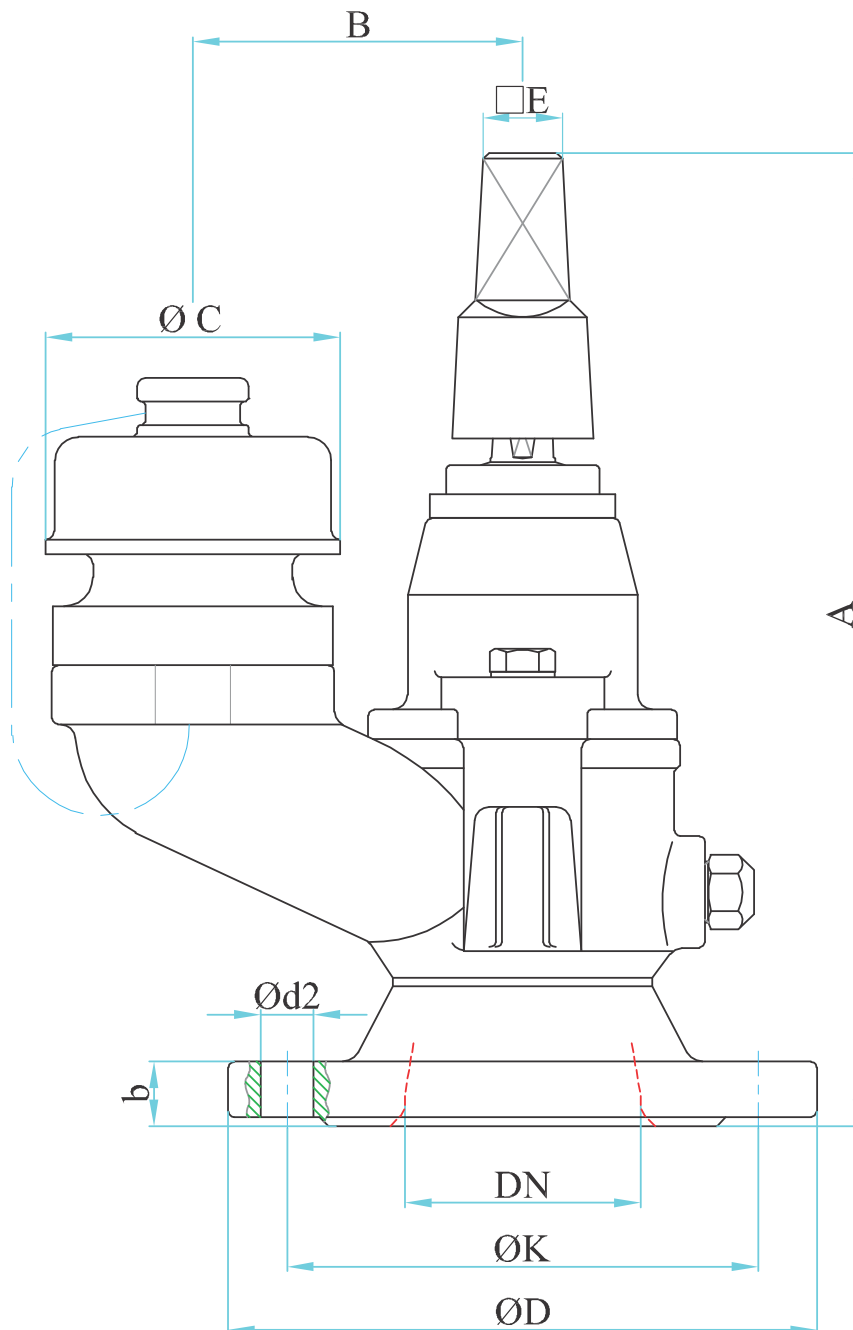


Part No.	Part Name	Part Material	1	2
01	Body	*EN 1563/ EN-GJS-400-15		
02	Sealing Ring	Brass		
03	Seat	EN 1563/ EN-GJS-400-15		
04	Sealing Rubber	Polyurethane	•	•
05	Bush	Al.Bz.(C95200)		
06	Stem	DIN EN 10088-3/1.4021		
07	Washer	POM		
08	O-Ring	NBR (EPDM on Request)	•	•
09	Bonnet	EN 1563/ EN-GJS-400-15		
10	Flat Washer	DIN ISO 898-2 Property Class 8,Zinc Plated	•	
11	Hex. Bolt	DIN ISO 898-1 Property Class 8,8,Zinc Plated		
12	Hex. Nut	EN 1563/ EN-GJS-400-15		
13	O-Ring	NBR (EPDM on Request)	•	•
14	O-Ring	NBR (EPDM on Request)	•	•
15	Dust Seal	EPDM (NBR on Request)	•	
16	Pin	1.2210		
17	Adaptor	EN 1563/ EN-GJS-400-15	•	
18	Spring Pin	DIN EN 10088-3/1.4301		
19	Outlet Intermediate	EN 1563/ EN-GJS-400-15		
20	O-Ring	NBR (EPDM on Request)	•	•
21	Allen Bolt	DIN ISO 898-1 Property Class 8,8,Zinc Plated		
22	Cap Washer	EPDM		
23	1-Way Inlet	EN 1563/ EN-GJS-400-15		
24	1-Way Inlet	Brass		
25	Spring	DIN EN 10088-3/1.4310		
26	Ball	NBR	•	
27	Conic Washer	Brass		
28	Pin	DIN EN 10088-3/1.4301		

1-Recommended Spare Parts

2-Parts Subjected to Wear

* EN-GJS-500-7 available on request.

Dimensions & weight


• DIN EN 1092 - 2 (DIN 2501)

DN mm	PN bar	• ØD mm	• ØK mm	• Ød2 mm	• n	• b mm	A mm	B mm	C mm	E mm	Weight Kg
65	10,16	185	145	19	4	19	331	112	100	27	15.5
80	10,16	200	160	19	8	19	331	112	100	27	16
100	10,16	220	180	19	8	19	330	112	100	27	17

MIRAB Co' PRODUCTS

Butterfly Valves Family: Double Flanged Type, Butt-weld End, Wafer Type, Lug Type, Hydraulic Actuated, Pneumatic Actuated.

Gate Valves Family: Soft-Sealing Gate Valve, Metal Seat Gate Valve, Knife Gate Valve, Sluice Gate Valve.

Non Return Valves Family: Tilting Disc with Counter Weight, Tilting Disk with Counter Weight and Hydraulic Damper, Swing Check Valve, Silent Check Valve, Foot Valve, Nozzle Check Valve, Wafer Pattern Check Valve, Flap Valve.

Air Vent Family: Single Chamber - Double Orifices , Double Chambers - Double Orifices, Sewage Air Valves, Large - Orifice Air Valve.

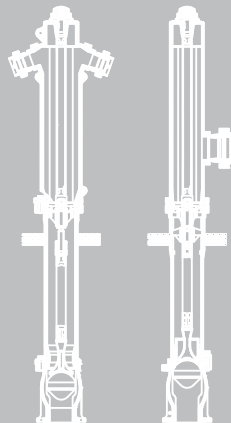
Control Valves Family: Automatic Control Valves, Needle Valve, Globe Valve, Fixed Cone Free Discharge Valve, Hollow Jet Valve, Sleeve Valve.

Hydrant Valves Family: Standing Type, Pit Type, Wet Barrel Fire Fighting Valve, Post Indicator Valve.

Strainers Family: Y Type, T Type, One Side Flanged Type.

Fittings Family: Dismantling Joint F1&F2, Pipe Coupling, Flange.

Actuators: Electrical, Hydraulic, Pneumatic, Portable Electrical.



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