



F10

Foot Valve
With Axial Check Valve

Product Description

When a pump is turned off, DENZ F10 Foot Valves prevent the medium from flowing backwards from the suction pipe. Resilient seating ensures complete closure of the valve disc. Metal seated foot valves are also optional.

The spring mechanism of the valve ensures that the valve is closed prior to backflow reaching it, thus minimizing surge conditions. Due to the silent axial check valve mechanism, DENZ F10 Foot Valves operate rapidly and quietly.

By utilizing its filter mechanism, the DENZ F10 Foot Valve prevents various parts of the water supply from leaking into the pipeline and damaging the pump. In order to minimize head loss, the foot valve body is designed in a globe shape, and can be installed vertically with the direction of flow upwards.

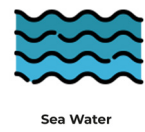
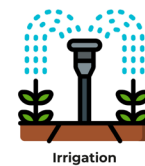


Versions & Accesories	Filter material and length are customizable.
	Optionally other types of check valves can be adapted to this model instead of F10 Axial Check Valves.

Application Areas

- Suction lines
- Seawater applications
- Dams & reservoirs
- Water extraction systems
- Water treatment and distribution system
- Desalination plants
- Water pumping stations
- Chemical industry

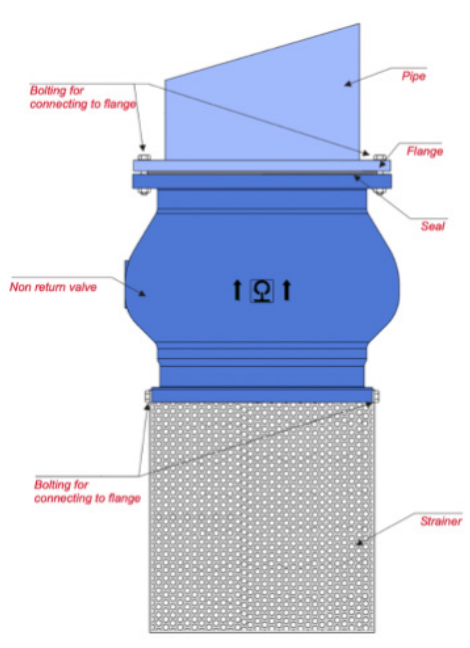
Production References	
Size Range	DN50-1000
Pressure Range	PN10-16-25-40
Temperature	EPDM: +80 °C NBR: +60 °C VITON: +110 °C
Flange Drillings	EN 1092-2 Flanged
Coating	Electrostatic/Thermoplastic Epoxy Coating
Testing	EN12266-1
Marking	EN 19
Operation	Automatic





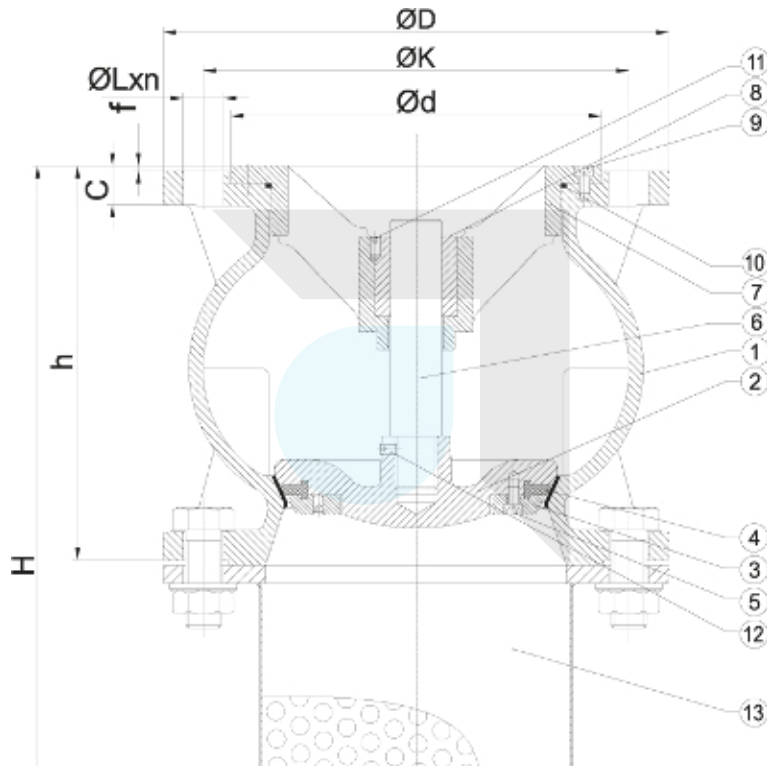
Product Features

- ENGJS500-7 Ductile iron body and bonnet for high strength and impact resistance.
- This valve is designed as a resilient seated type. There is an option to order the metal seated type for specific orders.
- 100% of the valves are subjected to Hydrostatic tests according to EN 12266-1. Pressure for seat:
- High hydraulic performance.
- Good water hammer performance
- Easy cleaning and maintenance
- The body's internal spring-loaded axial check valve protects the pipeline from backflow.
- Silent operation
- Can be used in both vertical and horizontal position.
- Perforated stainless steel screen with spot welding on the seat offers positive seating and full flow.
- It stops residuals from entering the pipeline and damaging the pump or other important equipment thanks to the filter function.
- Stop the medium from returning to the pumps suction line.
- AISI420 stainless steel spindle for high strength and corrosion resistance. Upper grade shaft materials can be used.
- 100% of the valves are subjected to Hydrostatic tests according to EN 12266-1. Pressure for seat: PN x 1.1 , for shell: PN x 1.5





Materials

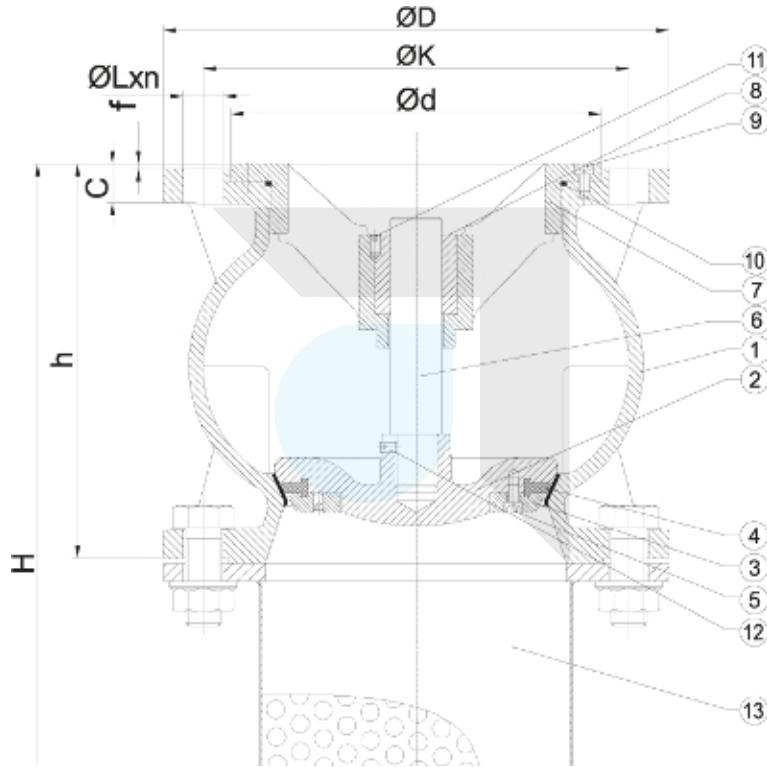


#	Part	Material
1	Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
2	Disc	ST37 Steel / Ductile Iron
3	Bearing	Bronze / Brass MS58
4	Guide	ST37 Steel / Ductile Iron
5	Spring	Stainless Steel AISI 304 / 316
6	Sealing Joint	EPDM / NBR
7	Filter	Stainless Steel AISI 304 / 316
8	Bolts	Stainless Steel A2 / A4
9	Retaining Ring	ST37 Steel / Stainless Steel AISI 304 / 316
10	Stem Nut	Stainless Steel A2 / A4
11	Bonnet Sealing	EPDM / NBR
12	Bonnet Bolt	Stainless Steel A2 / A4
13	Filter	Stainless Steel AISI 304





Dimensions



PN10						
DN	H	h	D	K	C	KG
100	325	175	220	180	19	26
125	388	200	250	210	19	34
150	450	225	285	240	19	45
200	575	275	340	295	20	65
250	700	325	405	350	22	112
300	825	375	460	400	24	116
350	950	425	520	460	26,5	160
400	1075	475	580	515	28,5	172,8
500	1300	550	730	620	31,5	341,6
600	1500	600	845	725	36	380
700	1700	650	910	840	40	440
800	1900	700	1025	950	43	632
900	2000	800	1185	1050	50	940
1000	2100	900	1230	1160	40	1344

Units: mm / indicative dimensions & weights

PN16						
DN	H	h	D	K	C	KG
100	325	175	220	180	19	26
125	388	200	250	210	19	34
150	450	225	285	240	19	45
200	575	275	340	295	20	65
250	700	325	405	355	22	112
300	825	375	460	410	24	145
350	950	425	520	470	26,5	166
400	1075	475	580	525	28,5	216
500	1300	550	715	650	31,5	427
600	1500	600	840	770	36	560
700	1700	650	910	840	40	725
800	1900	700	1025	950	43	830
900	2000	800	1185	1050	50	955
1000	2100	900	1255	1170	50	1550

Units: mm / indicative dimensions & weights





Dimensions Table



PN25						
DN	H	h	D	K	C	KG
100	325	175	220	180	19	26
125	388	200	250	210	19	34
150	450	225	285	240	19	45
200	575	275	340	295	20	65
250	700	325	405	355	22	112
300	825	375	460	410	24	145
350	950	425	520	470	26,5	166
400	1075	475	580	525	28,5	216
500	1300	550	715	650	31,5	427
600	1500	600	840	770	36	560
700	1700	650	910	840	40	725
800	1900	700	1025	950	43	830
900	2000	800	1185	1050	50	955
1000	2100	900	1255	1170	50	1550

Units: mm / indicative dimensions & weights

