

Structural Features and Applications

The valve disc is coated with rubber on the outer layer, offering a service life of up to 1 million open-close cycles. It features a full-flow area design with low head loss, resistance to debris accumulation, and easy maintenance.

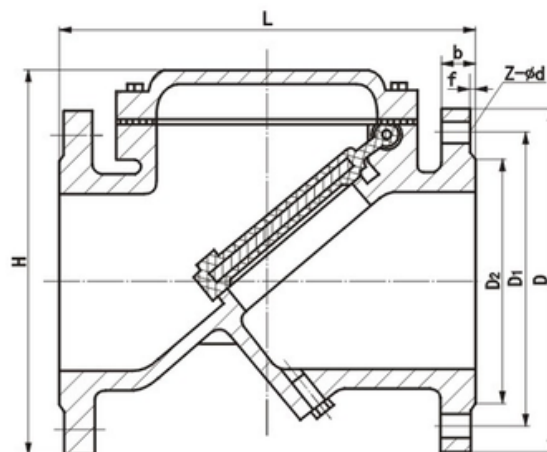
Main Technical Parameters

Nominal diameter PN (MPa)		1.0	1.6	2.5
Test pressure (MPa)	Shell strength	1.5	2.4	3.75
	Sealing performance	1.1	1.76	2.75
Working temperature (°C)		≤80		
Applicable medium		Rinsing, Dead oil		

Materials of Main Parts

Name of parts	Material
Body, Valve casing	Casting pig, Ductile iron, No. 25A
Seat	Rubber assembly
Spring	Stainless steel

Structural Schematic Diagram



Main External and Connection Dimensions

Nominal diameter DN(mm)	L	PN10							PN16							PN25						
		b	f		D ₂	D	D ₁	Z-ød	b	f		D ₂	D ₁	Z-ød	H	b	f		D ₂	D ₁	Z-ød	H
40	165	18	2	85	85	150	110	4-18	18	2	85	150	110	4-18	180	18	2	85	150	110	4-18	180
50	200	20	3	102	165	165	125	4-18	20	3	102	165	125	4-18	190	2	3	99	165	125	4-18	190
65	215	20	3	122	125	145	145	4-18	20	3	122	125	145	4-18	20	2	3	118	185	145	8-18	210
80	240	22	3	133	133	160	160	8-18	22	2	133	130	160	8-18	230	2	4	132	200	160	8-18	230
100	290	24	3	158	220	180	180	8-18	24	3	158	220	180	8-18	250	2	3	156	235	180	8-22	220
125	330	26	6	184	250	200	210	8-15	26	3	184	250	210	8-18	280	2	6	184	270	220	8-26	260
150	355	28	3	212	285	240	8-22	8-15	26	3	212	285	240	8-22	315	3	3	211	300	250	8-26	315
200	500	28	3	268	340	295	8-22	8-70	30	3	388	340	340	12-22	370	3	3	274	360	370	12-26	370
250	620	28	3	320	395	350	12-22	430	32	3	320	405	355	12-26	430	32	3	330	425	370	12-30	430
300	700	28	4	370	395	400	16-22	475	32	4	370	460	410	16-26	475	34	4	489	485	490	16-30	475
350	785	30	4	428	400	460	16-22	550	38	4	428	480	470	16-26	550	38	4	450	455	490	16-33	550
400	915	32	4	482	565	515	16-26	600	38	4	482	580	525	16-30	600	40	4	505	620	550	16-36	600