

Structural Features and Applications

The valve adopts a wafer-type installation and is mainly used in pipelines or at pump outlets as a safety device to prevent medium backflow, pressure differential water hammer impact, and pump reverse rotation when the pump shuts down. This valve features small size, light weight, and easy installation and maintenance. It is equipped with a guiding device for flexible and rapid closing, preventing severe medium backflow pressure differentials and providing a silencing effect. It is suitable for water supply and drainage, fire protection, HVAC, and other pipelines or pump outlets to prevent damage to pipelines and pumps caused by medium backflow and water hammer impact.

Main Technical Parameters

Model (Type)	Nominal PN (MPa)	Test strength pressure (MPa)	Test seal pressure (MPa)	Applicable temperature (°C)	Applicable media
H76X-10 H77X-10	1.0	1.5	1.1	≤ 80	Clean-water Slops Sea
H76X-16 H77X-16	1.6	2.4	1.76		

Materials of Main Parts

Material (Property)	Body	Disc	Stem	Spring	Seat
Material	Casting Iron (CI), Bowl-shaped steel, Stainless steel	Casting Iron (CI), Bowl-shaped Stainless steel	Stainless steel	Stainless steel	Butyl Rubber (NBR) Stainless steel

Main External and Connection Dimensions

Nominal diameter DN (mm)	L	H	D	
			1.0MPa	1.6MPa
50	43	60	105	105
65	46	73	124	124
80	64	89	142	142
100	64	110	162	162
125	70	141	192	192
150	76	168	218	218
200	89	219	272	273
250	114	273	328	328
300	114	324	378	384
350	127	356	438	444
400	140	418	489	495
450	152	457	540	555
500	152	526	594	616
600	178	626	695	734
700	229	672	810	804
800	241	778	916	910
900	241	878	1016	1010
1000	300	914	1124	1128

