

Needle (Plunger) Valves

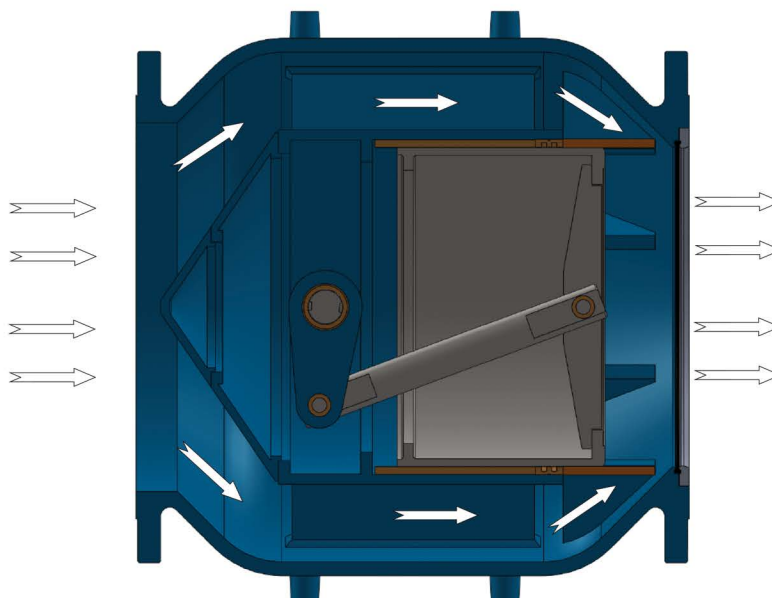


Cast Type Needle (Plunger) Valves DN 250-1200 PN 10-40



Fabricated Type Needle (Plunger) Valves DN 250-2000 PN 10-40

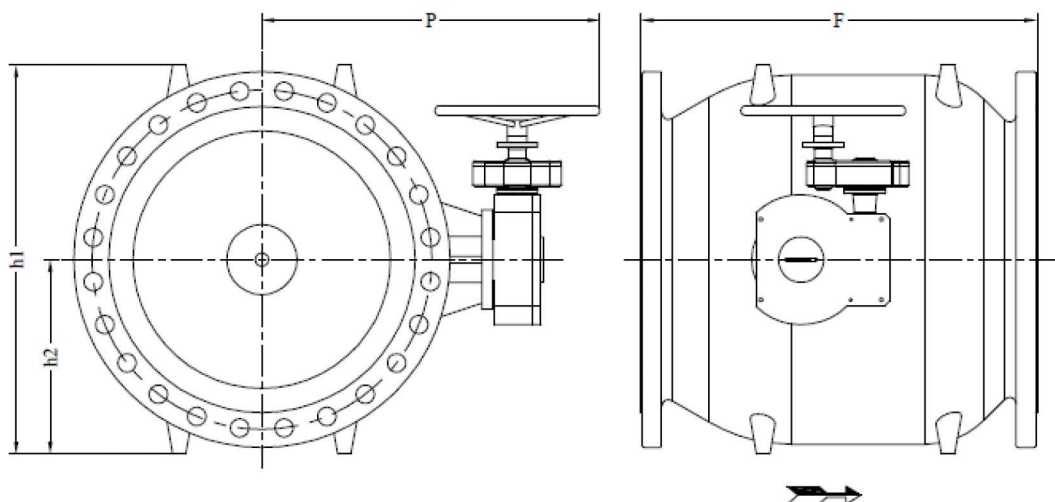
Cast Type Needle (Plunger) Valves



- Flange drilling according to: ISO 7005-2, DIN EN 1092-2, ASME B16.5 & B16.47
- Face to face dimension: $\begin{cases} \text{up to DN 400 according to DIN EN 558 – Series15} \\ \text{From DN 450 to DN 1000 } 1.5 \times \text{DN} \end{cases}$
- Final inspection and test according to: ISO 5208, DIN EN 12266
- Coating: Epoxy powder paint with electrostatic process-RAL 5005
- Available Material:
 - Body: EN GJS 400-15, ASTM A216-WCB, CF8M, CF8, CF3M, CF3
 - Piston: AISI 304, AISI 316
 - Piston Guide: Bronze
 - Shaft: AISI 420, AISI 304, AISI 316
 - Sealing: EPDM, NBR
 - Seat: AISI 304, AISI 316

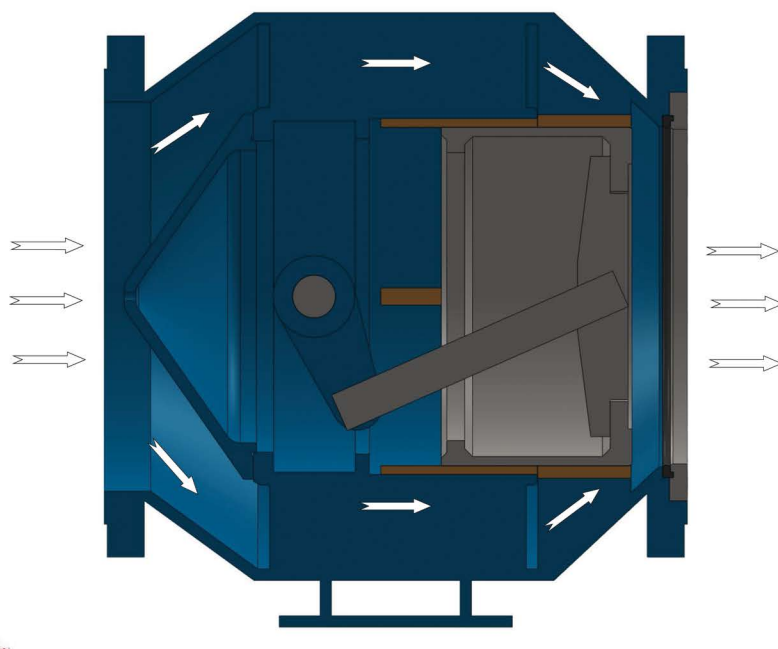
****Valves with special material are manufactured according to customer requirement.**

Cast Type Needle (Plunger) Valves DN 250-1200 PN 10-40



DN	F [mm]	P [mm]	h1 [mm]	h2 [mm]	Input torque [N.m]	Weight [Kg]			
						PN 10	PN 16	PN 25	PN 40
250	450	420	470	235	20-30	190	190	205	235
300	500	470	536	268	20-30	220	220	245	275
350	550	520	600	300	20-30	300	300	320	350
400	600	580	670	335	20-30	400	425	445	480
450	675	650	700	350	40-50	500	530	560	600
500	750	675	780	390	40-50	685	700	795	875
600	900	800	940	470	80-90	1130	1190	1225	1345
700	1050	900	1040	520	80-90	1800	1850	1920	2040
800	1200	1000	1180	590	80-90	2000	2150	2250	2640
900	1350	1020	1290	645	80-90	2750	2805	2860	3080
1000	1500	1105	1400	700	80-90	4000	4000	4180	4550
1200	1800	1300	1620	810	80-90	5390	5500	5720	6050

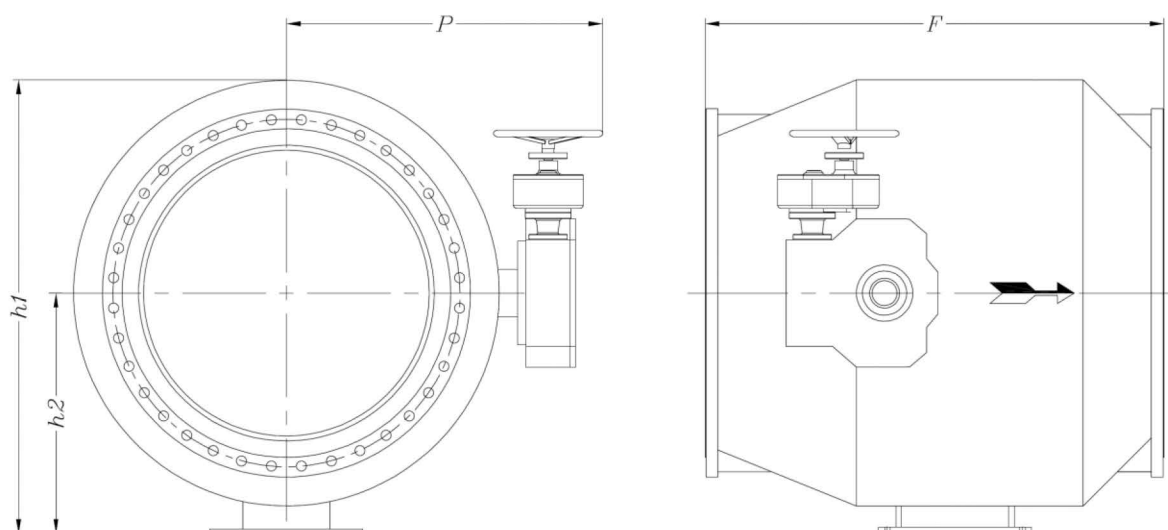
Fabricated Type Needle (Plunger) Valves



- Flange drilling according to: ISO 7005-1, DIN EN 1092-1, ASME B16.5 & B16.47
- Face to face dimension: $\begin{cases} \text{up to DN 400 according to DIN EN 558 – Series 15} \\ \text{From DN 450 to DN 1000 } 1.5 \times \text{DN} \end{cases}$
- Final inspection and test according to: ISO 5208, DIN EN 12266
- Coating: Epoxy powder paint with electrostatic process-RAL 5005
- Available Material:
 - Body: ST 52-3, ST37-2, AISI 304, AISI 316
 - Piston: AISI 304, AISI 316
 - Piston Guide: Bronze
 - Shaft: AISI 420, AISI 304, AISI 316
 - Sealing: EPDM, NBR
 - Seat: AISI 304, AISI 316

****Valves with special material are manufactured according to customer requirement.**

Fabricated Type Needle (Plunger) Valves DN 250-2000 PN 10-40



DN	F [mm]	P [mm]	h1 [mm]	h2 [mm]	Input torque [N.m]	Weight [Kg]			
						PN 10	PN 16	PN 25	PN 40
250	450	420	453	250	20-30	170	170	190	190
300	500	470	500	270	20-30	200	200	225	225
350	550	520	580	290	20-30	300	300	320	350
400	600	580	670	365	20-30	395	400	410	440
450	675	650	735	400	40-50	500	530	560	600
500	750	675	785	425	40-50	630	650	670	750
600	900	800	950	550	80-90	1135	1170	1205	1350
700	1050	900	1130	620	80-90	1600	1625	1640	1680
800	1200	970	1240	680	80-90	1720	1955	2045	2250
900	1350	1020	1400	800	80-90	2385	2415	2595	2740
1000	1500	1105	1550	840	80-90	3215	3260	3500	3700
1200	1800	1300	1900	1000	80-90	6000	6500	7000	7600
1400	2100	1400	2070	1120	100-120	8450	8600	8800	9300
1600	2400	1700	2360	1240	100-120	9500	9800	10985	12000
1800	2700	1800	2600	1400	100-120	15500	16000	16800	17500
2000	3000	2000	2800	1500	100-120	20000	20500	21500	22000