

Subject to change without notice.
Please contact us for other sizes and materials.
Part No: 37-1049

REV:A

28.08.2015

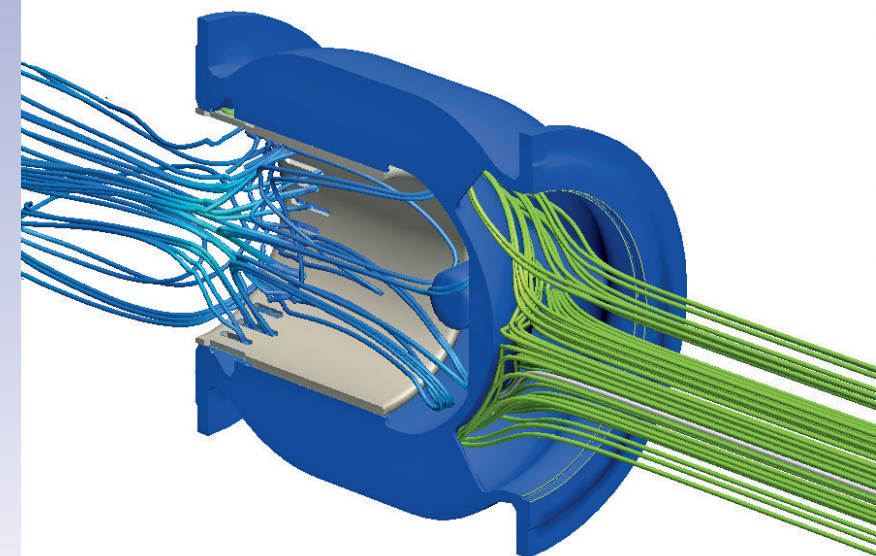
Part List & Material Specification

DN 200-1200

P.NO	PART NAME	MATERIAL
1	Body	EN GJS 400 15
1A	Piston Guide Rails	BRONZE WELDING
2	Bushing	BRONZE
3	O-ring	EPDM
4	Shaft	STAINLESS STEEL 1.4021
5	Key	STAINLESS STEEL 1.4021
6	Crank	STAINLESS STEEL AISI 304
7	Bushing	BRONZE
8	Pin	STAINLESS STEEL 1.4021
9	Cotter Pin	A2
*10	Cavitation Ring	STAINLESS STEEL AISI 304
11	Bushing	STAINLESS STEEL AISI 304
12	Push Rod	STAINLESS STEEL AISI 304
13	Piston Rod	STAINLESS STEEL AISI 304
14	Bushing	BRONZE
15	Pin	STAINLESS STEEL 1.4021
16	O-ring	EPDM

*Cavitation Ring depends on flow parameters

P.NO	PART NAME	MATERIAL
17	Piston	STAINLESS STEEL AISI 304
18	Bolt	A2
19	Sealing Ring	EPDM
20	Retaining Ring	A2
21	Bolt	A2
22	Cover	Ç1050
23	Bolt	8.8
24	Cover	Ç1050
25	Bolt	A2
26	Gear Box	-
27	Washer	8.8
28	Bolt	8.8
29	Eye Bolt	A105
30	Bolt	A2
31	O-ring	EPDM
32	Setscrew	A2
33	Plug	A2





6000 NEEDLE (PLUNGER) VALVE

Needle (plunger) valves are widely used in flow regulating or pressure control applications. Due to its special inner structure, flow cross section is always circular and it allows for precise control. Flow is always guided to the center of the pipe axis where bubbles form and recover without damaging the equipments in the line. Upstream and downstream pressure and require flow rate defines the type of cavitation ring to be used. It is strongly recommended to have 10 x DN straight line upstream and downstream of the needle valve. Needle valves can be manuel operated, electric actuated (on/off or modulating), hydraulic operated with counter weight depending on the application needs.

- Valve Type

: Needle Valve
- DN/NPS

: DN 200 - DN 1200 (8" - 48")
- Flange Connection

: PN 10, PN 16, PN 25
- Top Flange

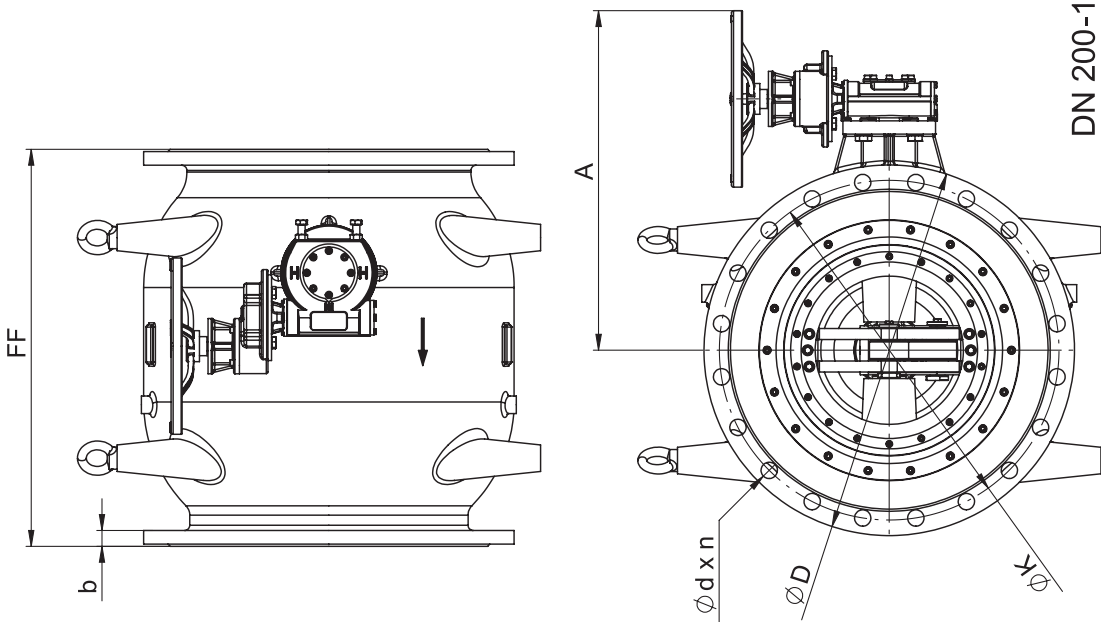
: ISO 5211
- Marking

: EN 19
- Test Standard

: EN 12266-1

Please contact us for other sizes and pressures

Needle Valve Dimensional Drawing



DN	PN	ØD	Øk	Ød	n	b	A	FF	Weight (Kg)
200	10	340	295	23	8	20	375	400	86
300	10	460	400	23	12	24,5	445	500	150
400	10	565	515	28	16	24,5	660	600	365
500	10	670	620	28	20	26,5	725	750	593
600	10	780	725	31	20	30	770	900	1010
700	10	895	840	31	24	32,5	915	1050	1565
800	10	1015	950	34	24	35	915	1200	2020
900	10	1115	1050	34	28	37,5	995	1350	2615
1000	10	1230	1160	37	28	40	1190	1500	3685
1200	10	1455	1380	41	32	45	1360	1800	6120
200	16	340	295	23	12	20	375	400	86
300	16	460	410	28	12	24,5	445	500	150
400	16	580	525	31	16	28	660	600	370
500	16	715	650	34	20	31,5	725	750	615
600	16	840	770	37	20	36	770	900	1050
700	16	910	840	37	24	39,5	915	1050	1580
800	16	1025	950	41	24	43	915	1200	2030
900	16	1125	1050	41	28	46,5	995	1350	2630
1000	16	1255	1170	44	28	50	1190	1500	3720
1200	16	1485	1390	50	32	57	1360	1800	6180
200	25	360	310	28	12	22	375	400	88
300	25	485	430	31	16	27,5	445	500	156
400	25	620	550	37	16	32	660	600	386
500	25	730	660	37	20	36,5	725	750	625
600	25	845	770	41	20	42	770	900	1055
700	25	960	875	44	24	46,5	915	1050	1630
800	25	1085	990	50	24	51	915	1200	1505
900	25	1185	1090	50	28	55,5	995	1350	2720
1000	25	1320	1210	57	28	60	1190	1500	3840
1200	25	1530	1420	57	32	69	1360	1800	6295