

PENSTOCK VALVE

square or round opening

DN 100 - 1000

11.600



Product description

- Penstock valve with non-rising stem with square or round opening for water, rainwater and residual/ waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Lower leakage rate than the maximum allowable in DIN 19569-4 and BS 7775

Corrosion protection

- The surface protected against corrosion applying Primer and then coated with epoxy paint RAL 3011 it with epoxy paint

Features

- Isolation valve that provides a robust, quality flow control solution for water, rainwater and residual/ waste water applications
- Application in open air hydraulic installations, such as dams, reservoirs, channels, among others
- Available with square or round opening
- The water sectioning is made through an obturator which moves vertically through a spindle which can be commanded manually, pneumatically or electrically
- Bi-directional valve can be installed in water columns deeper than 10 metres, has a strong and durable design, for effective flow control
- Seat and stem in AISI 316L
- The seals on a penstock valve are specially designed to give the best degree of water tightness, assuming the unit is installed correctly
- Expanding or resin-type anchor bolts are used to secure the penstock valve to the wall
- Accessories: handwheel [ref.05.110], stem cap male or female [ref. 05.210], extension spindle with stem cap and bottom adaptor [ref. 05.310] and headstock [ref. 05.900], electric or pneumatic command.



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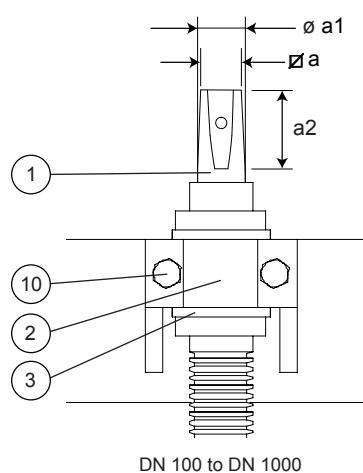
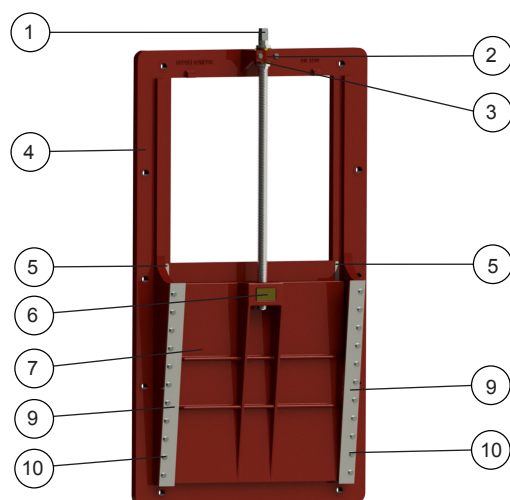
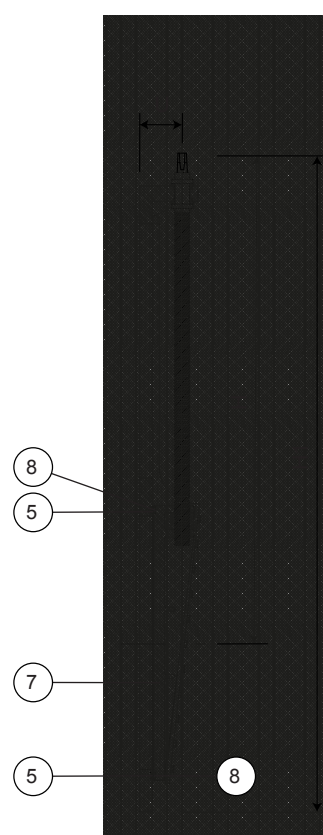
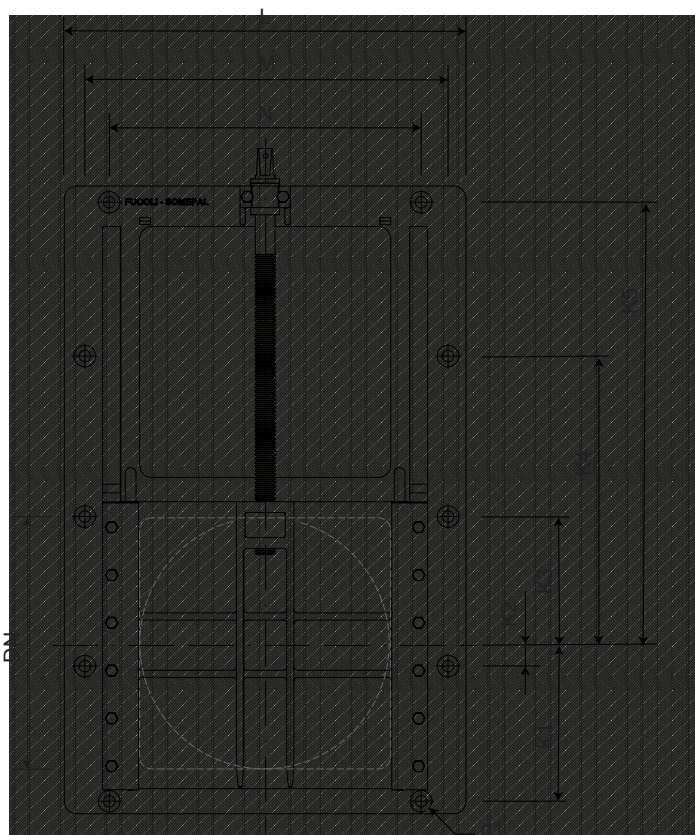
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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088 - 1
2	Bearing	Ductile iron EN-GJS-500-7	EN 1563
3	Bearing sleeve	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
4	Body	Ductile iron EN-GJS-500-7	EN 1563
5	Body seat	Stainless steel AISI 316L	EN 10088 - 1
6	Stem nut	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
7	Obturator	Ductile iron EN-GJS-500-7	EN 1563
8	Obturator seat	Stainless steel AISI 316L	EN 10088 - 1
9	Slides	Stainless steel AISI 304	EN 10088 - 1
10	Bolts	Steel zinc plated cl 8.8	ISO 898 - 1

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Reference and dimensions

Dimensions common to all models

DN	L	H	H1	U	M	N	K1	K2	K3	K4	K5	n° x d1	∅ a	∅ a1	a2	turns to open
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
100	227	309	406	60	-	170	90	-	-	-	230	4 x 18	17.1	22	34	20
150	300	393	548	70	-	230	120	-	-	-	310	4 x 18	19.1	28	38	30
200	350	480	660	75	-	290	150	-	-	-	390	4 x 23	24.1	32	42	33
250	430	582	797	80	-	370	185	-	-	-	485	4 x 23	24.1	32	42	41
300	550	655	890	90	485	410	210	-	175	-	560	6 x 23	27.1	36	47	50
350	600	725	985	90	535	455	230	-	200	-	635	6 x 23	27.1	40	47	44
400	700	835	1126	100	630	520	260	-	235	-	730	6 x 30	32.1	44	55	44
450	750	901	1226	100	680	575	285	-	255	-	810	6 x 30	32.1	44	55	50
500	925	1055	1444	110	834	660	328	-	82	495	902	8 x 30	32.1	50	55	50
600	1000	1195	1615	125	900	760	386	-	103	585	1080	8 x 30	32.1	50	55	60
700	1120	1365	1845	130	1020	870	440	-	115	670	1230	8 x 32	41.1	55	74	64
800	1230	1530	2045	170	1130	970	490	23	445	913	1380	10 x 35	41.1	60	74	66
900	1370	1747	2345	190	1265	1070	555	50	525	1100	1605	10 x 40	41.1	60	74	75
1000	1455	1945	2615	200	1350	1160	600	75	587	1250	1775	10 x 40	46.1	65	80	83

Available models



Seat and stem in stainless steel AISI 316L

DN	square aperture	Kg aprox.	round aperture	Kg aprox.
100	10788020	16	10788500	15
150	10788030	31	10788505	31
200	10788040	40	10788510	41
250	10788050	60	10788520	61
300	10788060	95	10788530	97
350	10788070	123	10788540	125
400	10788080	176	10788550	192
450	10788090	200	10788560	200
500	10788100	340	10788570	348
600	10788110	438	10788580	415
700	10788120	596	10788590	604
800	10788130	830	10788600	889
900	10788140	1350	10788610	1354
1000	10788150	1425	10788620	1490



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