

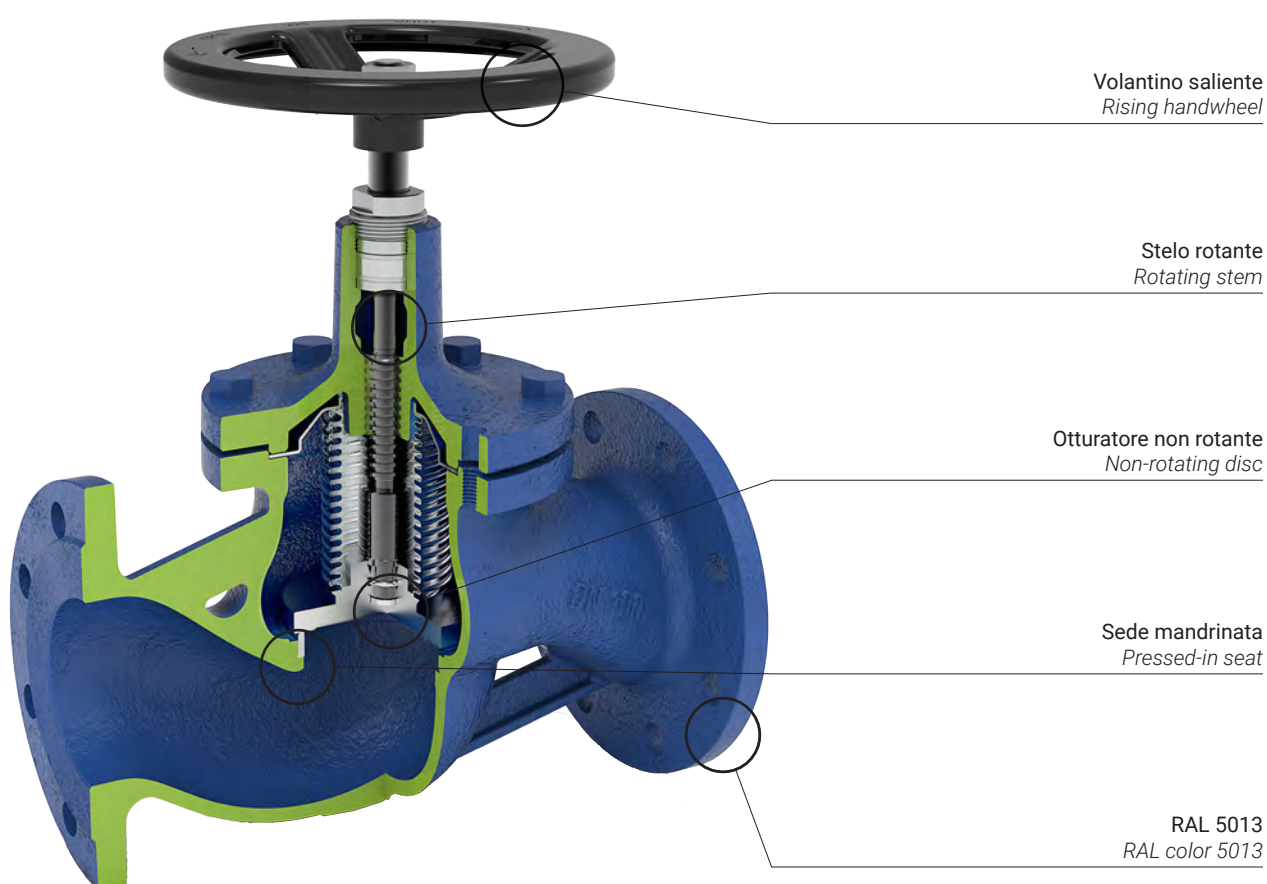
M51

Valvola a flusso avviato con soffietto esente manutenzione a vite interna

Streamlined flow valve with bellows
maintenance free inside screw

PN 16
GHISA | CAST IRON

Caratteristiche | Features



Applicazioni

Valvole per acqua calda e/o surriscaldata, vapore, aria, fluidi diatermici (vedi tabella), ecc.

Trovano impiego negli impianti di trasmissione calore, centrali termiche, caldaie e serbatoi, impianti di teleriscaldamento, applicazioni con olio diatermico (vedi tabella), ecc.

Applications

Valves for hot water and/or overheated water, steam, air, diathermic fluids (see table), etc.

They are suitable for heat transfer systems, thermal power stations, industrial boilers and tanks, district heating plants, diathermic oil installations (see table), etc.



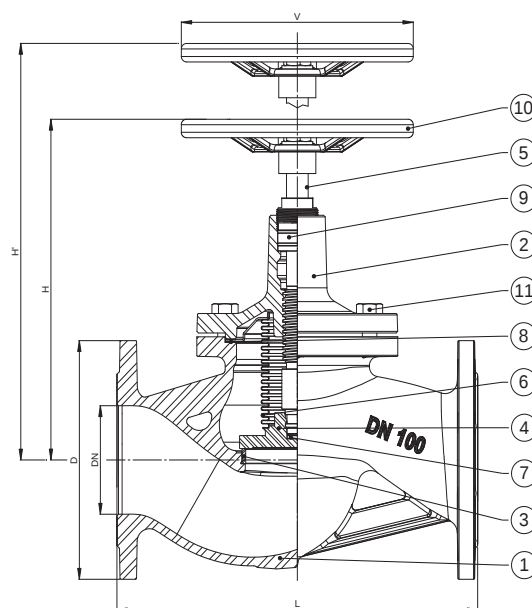
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Materiali | Materials

POS	COMPONENTE	COMPONENTS	MATERIAL
1	CORPO	BODY	EN-GJL-250
2	CAPPELLO	BONNET	EN-GJL-250
3	SEDE	SEAT	STAINLESS STEEL 1.4021
4	OTTURATORE	DISC	STAINLESS STEEL 1.4021
5	STELO	STEM	STAINLESS STEEL 1.4021
6	SOFFIETTO	BELLOWS	STAINLESS STEEL 1.4541
7	DISCO ANTIFRIZIONE	ANTIFRICTION DISC	STAINLESS STEEL 1.4021
8	GUARNIZIONI	GASKETS	GRAPHITE + ST. STEEL
9	BADERNA	PACKING	GRAPHITE
10	VOLANTINO	HANDWHEEL	PRESSED STEEL
11	VITI	SCREWS	CARBON STEEL



Dimensioni | Dimensions

DN	D	L	H	H'	V	Kg	Kv
mm	mm	mm	mm	mm	mm	-	m³/h
15	95	130	165	175	100	3	4.6
20	105	150	165	175	100	3.7	7.3
25	115	160	185	195	100	4.4	11.7
32	140	180	185	195	125	6.1	16.8
40	150	200	215	230	150	9.3	26.7
50	165	230	215	230	150	11.2	42.6
65	185	290	295	315	200	19	77.9
80	200	310	295	315	200	21.5	111
100	220	350	320	355	225	31.5	177
125	250	400	345	385	250	42.5	262
150	285	480	400	445	350	64.5	368
200	340	600	455	520	400	111	664

Condizioni di esercizio | Working conditions

PRESSIONE PRESSURE [bar]	16	14.4	12.8	11.2	9.6
TEMPERATURA TEMPERATURE [°C]	-10/+120	+150	+200	+250	+300

PRESSIONE PRESSURE [bar]	13.2	12	10	8	6
TEMPERATURA TEMPERATURE [°C]	-10/+120	+150	+200	+250	+300

Tabella valida solo per fluidi diatermici
Table valid only for diathermic fluids

Kv alla percentuale di alzata M51/R
Kv at stroke rate M51/R

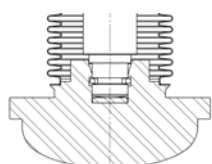
DN	15	20	25	32	40	50	65	80	100	125	150	200
20%	0.33	0.84	1.3	2.2	3.72	8.26	8.91	16.1	21.1	35.9	51.1	72
40%	0.99	1.77	2.81	4.53	7.24	14.2	18	30.9	40.4	60.9	109	143
60%	2.17	3.52	4.91	8.3	13.5	22.2	34.2	55.2	74.6	103	190	258
80%	3.27	5.47	7.64	12.5	19.8	30.8	53.8	80.4	117	154	252	377
100%	4.19	6.77	9.22	15.4	24.5	36.5	64.1	91.7	138	182	286	446

Limiti di utilizzo | Limits of use

È necessario utilizzare una valvola a vite esterna con otturatore equilibrato (M61/EQ) quando la pressione differenziale supera i seguenti valori:
It is necessary to use an outside balanced disc (M61/EQ) when the working pressure is over the following values:

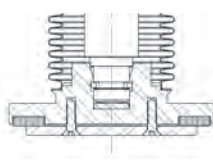
DN	200
PRESSIONE PRESSURE [bar]	14

Varianti | Variations



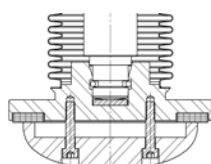
M51 R

Otturatore parabolico
Parabolic disc



M51 T

Otturatore con guarnizione
intercambiabile di PTFE (max 180°C)
Interchangeable PTFE gasket on the
disc (max 180°C)



M51 RT

Otturatore parabolico con
guarnizione intercambiabile di
PTFE (max 180°C)
Parabolic disc with interchangeable
PTFE gasket (max 180°C)