M53

Valvola a flusso avviato con soffietto esente manutenzione a vite interna

Streamlined flow valve with bellows maintenance free inside screw

PN **25**

GHISA SFEROIDALE | NODULAR CAST IRON

Caratteristiche | *Features*



Applicazioni

Valvole per acqua calda e/o surriscaldata, vapore, aria, fluidi diatermici, ecc.

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

Applications

Valves for hot water and/or overheated water, steam, air, diathermic fluids, etc.

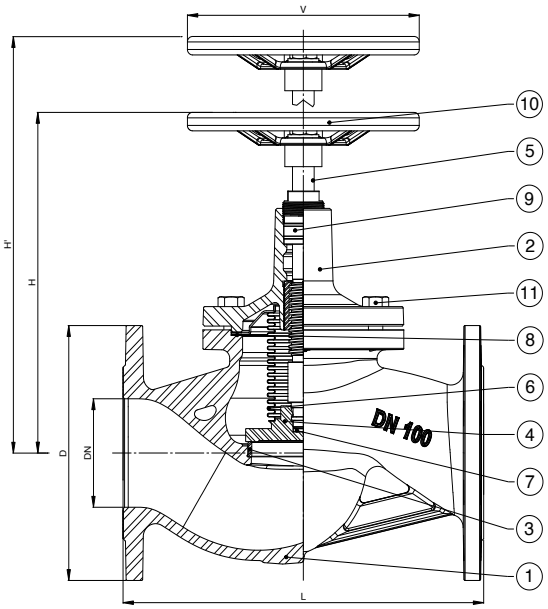
They are suitable for heat transfer systems, thermal power stations, industrial boilers and tanks, district heating plants, diathermic oil installations, etc.

MAINTENANCE FREE

TA-Luft APPROVED

Materiali | *Materials*

POS	COMPONENTE	*COMPONENTS*	*MATERIAL*
1	CORPO	*BODY*	*EN-GJS-400-18-LT*
2	CAPPELLO	*BONNET*	*EN-GJS-400-18-LT*
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 mm	L mm	H mm	H' mm	V mm	Kg -	Kv m³/h
15	95	130	165	175	100	3.04	4.6
20	105	150	165	175	100	3.64	7.3
25	115	160	175	185	100	4.46	11.7
32	140	180	180	190	125	5.91	16.8
40	150	200	220	235	150	9.05	26.7
50	165	230	220	235	150	11.12	42.6
65	185	290	300	320	200	18.7	77.9
80	200	310	300	320	200	21.7	111
100	235	350	310	345	225	29.1	177
125	270	400	350	390	250	43.5	262
150	300	480	400	445	350	63.2	368
200	360	600	470	535	400	106	664

Condizioni di esercizio | *Working conditions*

PRESSIONE	*PRESSURE [bar]*	25	24.3	23	21.8	20	17.5
TEMPERATURA	*TEMPERATURE [°C]*	-20/+120	+150	+200	+250	+300	+350

Kv alla percentuale di alzata M53/R
Kv at stroke rate M53/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

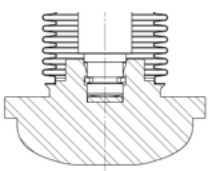
Limiti di utilizzo | *Limits of use*

È necessario utilizzare una valvola a vite esterna con otturatore equilibrato (M63/EQ) quando la pressione differenziale supera i seguenti valori:
It is necessary to use an outside balanced disc (M63/EQ) when the differential pressure is over the following values:

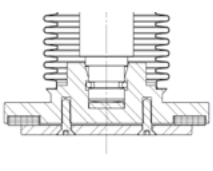
DN	150	200
PRESSIONE	*PRESSURE [bar]*	21	14

NOTA: Utilizzando una valvola con otturatore equilibrato è indispensabile installarla al contrario, cioè con la pressione sopra l'otturatore
NOTE: When using a valve with balanced disc, it is essential to install it in reverse way, that is with the pressure on the disc

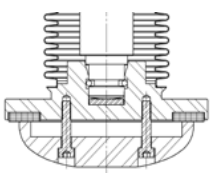
Varianti | *Variations*



M53 R
Otturatore parabolico
Parabolic disc



M53 T
Otturatore con guarnizione intercambiabile di PTFE (max 180°C)
Interchangeable PTFE gasket on the disc (max 180°C)



M53 RT
Otturatore parabolico con guarnizione intercambiabile di PTFE (max 180°C)
Parabolic disc with interchangeable PTFE gasket (max 180°C)

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