

VGLVFAS40 STREAMLINE BELLOWS FLOW VALVE OUTSIDE SCREW PN40

Streamlined flow valve, outside screw, PN40, stainless steel or carbon steel body and yoke, with bellows maintenance free. Heat transmission systems, power stations, boilers and tanks, district heating systems, applications with thermal oil, food industry, chemical industry, hospital, etc.

Standard execution:

The valve is standard provided by: position indicator, safety backseat on the stem, rise limiter, lubricator, locking set screw. Connection flanges dressed and drilled according to EN 1092-1 PN40 with raised face.

Variations:

- Parabolic disc
- Balanced disc
- Interchangeable PTFE gasket on the disc (max 180°C)
- Semi-automatic shutter with check valve and closing function
- Parabolic disc with interchangeable PTFE gasket (max 180°C)

On request:

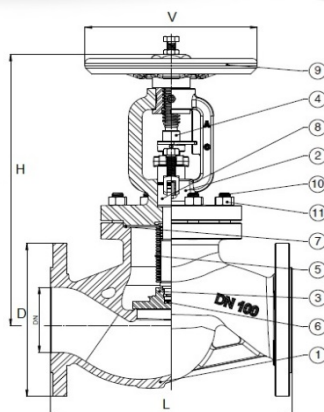
- Bigger sizes
- Flanges with special drilling
- Pneumatic or electric actuator
- Stellite overlay on seat and disc
- BW or SW connections



Stainless steel body



Carbon steel body



		Stainless steel body	Carbon steel body
1 Body	2 Yoke	GX5 CrNiMo 19-11-2	P250 GH DN 15-50
3 Disc		1.4401	GP240 GH+N DN65-250
4 Stem		1.4401	Stainless steel DN 15-50
5 Bellows		1.4541	Steel + S.S. DN65-250
6 Antifriction disk		1.4401	Stainless steel
7 Gasket		Graphite + S.S.	Stainless steel
8 Packing		Graphite	Stainless steel
9 Handwheel		steel	Stainless steel
10 Stud nuts		stainless steel	Steel
11 Nuts		stainless steel	Steel

Dimensions						
DN	D	L	H	V	Weight	Kv
	mm	mm	mm	mm	kg	m³/h
15	95	130	235	125	4.7	4.8
20	105	150	235	125	5.5	7.6
25	115	160	245	125	6.8	12.2
32	140	180	245	125	8.5	17.5
40	150	200	275	150	11.3	27.8
50	165	230	275	150	13.7	44.3
65	185	290	375	200	26.5	81
80	200	310	375	200	30.5	115
100	235	350	410	250	44.5	184
125	270	400	460	300	64	272
150	300	480	520	350	99	383
200	375	600	635	400	182	691
250	450	730	785	500	296.5	1086



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VGLVFAS25 - STREAMLINE BELLOWS FLOW VALVE OUTSIDE SCREW PN25

Streamlined flow valve, outside screw, PN25, EN-GJS400-18-LT cast iron body and yoke, with bellows, maintenance free. Standard provide by: position indicator, safety backseat on the stem, rise limiter, lubricator, locking set screw.

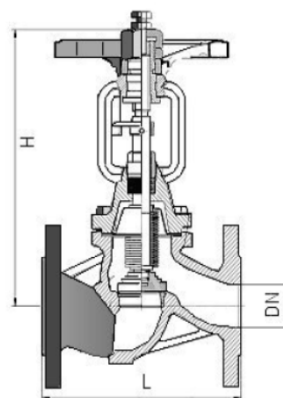
Variations:

- /R Parabolic disc
- /EQ Balanced disc
- /T Interchangeable PTFE gasket on the disc (max 180°C)
- /A Semi-automatic shutter with check valve and closing fuction
- /RT Parabolic disc with interchangeable PTFE gasket (max 180°C)

On request:

- Bigger sizes, Flanges with special drilling
- Pneumatic or electric actuator
- Stellite overlay on seat and disc

DN	L mm	H mm	Kg
15	130	217	4.1
20	150	219	5
25	160	230	6
32	180	233	8
40	200	258	10.2
50	230	260	12.5
65	290	353	23
80	310	358	27
100	350	380	36
125	400	391	51
150	480	469	74



Body:	cast iron
Yoke:	cast iron
Stem:	stainless steel
Seat:	stainless steel
Bellows:	stainless steel
Gaskets:	Graphite + st. steel
Handwheel:	carbon steel

VGLVFAS16 - STREAMLINE BELLOWS FLOW VALVE OUTSIDE SCREW PN16

Streamlined flow valve, outside screw, PN16, EN-GJL250 or EN-GJS400-18-LT cast iron body and yoke, with bellows, maintenance free. Standard provide by: position indicator, safety backseat on the stem, rise limiter, lubricator, locking set

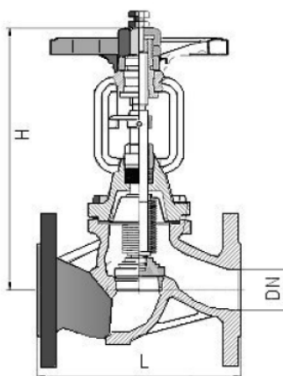
Variations:

- /R Parabolic disc -/EQ Balanced disc
- /T Interchangeable PTFE gasket on the disc (max 180°C)
- /A Semi-automatic shutter with check valve and closing fuction
- /RT Parabolic disc with interchangeable PTFE gasket (max 180°C)

On request:

- Bigger sizes, Flanges with special drilling
- Pneumatic or electric actuator
- Stellite overlay on seat and disc

DN	L mm	H mm	Kg
15	130	234	4
20	150	243	4.8
25	160	253	5.8
32	180	242	7.2
40	200	275	10
50	230	276	12
65	290	377	22.5
80	310	378	24
100	350	401	34
125	400	442	48
150	480	494	67
200	600	620	120
250	730	683	209
300	850	712	282



Body:	cast iron
Yoke:	cast iron
Stem:	stainless steel
Seat:	stainless steel
Bellows:	stainless steel
Gaskets:	Graphite + st. steel
Handwheel:	carbon steel



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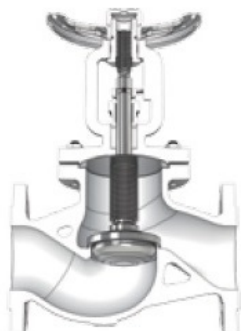
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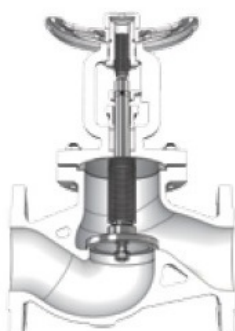
VARIATIONS

VFAS*/R



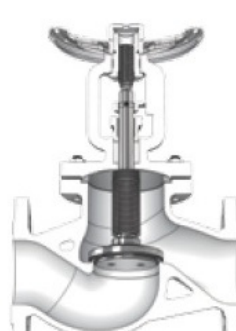
Otturatore a profilo parabolico di regolazione
Regulating disc

VFAS*/EQ



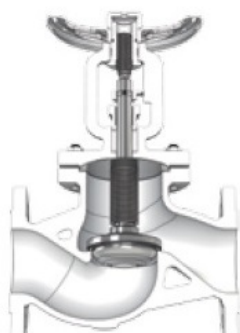
Otturatore equilibrato
Balanced disc

VFAS*/T



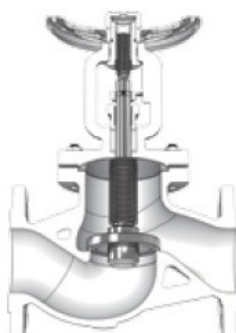
Otturatore a tenuta morbida di PTFE intercambiabile
Soft sealing interchangeable PTFE disc

VFAS*/RT



Otturatore a profilo parabolico di regolazione a tenuta morbida di PTFE intercambiabile
Regulating disc with soft sealing interchangeable PTFE disc

VFAS*/A



Otturatore semiautomatico con funzione di valvola di ritegno e chiusura
SDNR Automatic disc with function of check and on/off valve

VARIANTI / Variations

VFAS*/R/ISO version is
readied for connection to ISO electric or
pneumatic actuator
Stem extended

KV to the percentage of riser (variant VFAS40 / R)					
DN	20%	40%	60%	80%	100%
15	0.34	1.03	2.26	3.4	4.36
20	0.87	1.84	3.66	5.69	7.04
25	1.35	2.92	5.17	7.95	9.59
32	2.29	4.71	8.63	13,00	16,00
40	3.87	7.53	14,00	20.6	25.5
50	8.57	14.8	23.1	32,00	38,00
65	9.27	18.7	35.6	56,00	66.7
80	16.7	32.1	57.4	83.6	95.4
100	21.9	42,00	77.6	121.7	143.5
125	37.3	63.3	107.1	160.2	189.3
150	53.1	113.4	197.6	262.1	297.4
200	74.9	148.7	268.3	392.1	463.8
250	328.6	576.2	722.8	807,00	925.6

It is necessary to use balanced shutter when the pressure exceeds the following values:

DN	65	80	100	125	150	200	250	300
Pressure bar	100	73	45	30	21	14	9	6

NOTE: Using a valve with balanced disc is essential to install as opposed, that is with the pressure above the disc



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WORKING CONDITIONS (NORM EN1092-1:2003)

PN40

DN	Allowable pressure bar	Max working temperature related to the pressure
15-250	40	-10...+50°C
15-250	36,3	+150°C
15-250	33,7	+200°C
15-250	29,7	+300°C
15-250	28,5	+350°C
15-250	27,4	+400°C

EN-GJS-400-18LT CAST IRON

PN25

DN	Allowable pressure bar	Max working temperature related to the pressure
15-200	25	-10...+120°C
15-200	23	+200°C
15-200	21.8	+250°C
15-200	20	+300°C
15-200	17.5	+350°C

EN-GJL-250 CAST IRON

PN16

DN	Allowable pressure bar	Max working temperature related to the pressure
15-200	16	-10...+120°C
15-200	12.8	+200°C
15-200	11.2	+250°C
15-200	9.6	+300°C

EN-GJS-400-18LT CAST IRON

PN16

DN	Allowable pressure bar	Max working temperature related to the pressure
15-300	16	-10...+120°C
15-300	14.7	+200°C
15-300	13.9	+250°C
15-300	12.8	+300°C
15-300	11.2	+350°C



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