

ECON® Globe valve Type: 417 Steel Flange PN40

Cast steel globe valve, with stainless steel sealing, fixed or loose [SDNR] disc and flange connection, pressure class PN40.

Characteristics

Type: 417
Norm: EN [DIN]
Construction type: Straight
Housing material: Steel
Surface protection: Standard manufacturers coating
Connection: Flange
Flange finish: Raised face
Stem seal type: Gland seal
Material disc: 1.4021+QT
Spindle material: 1.4021
Primary spindle seal material: Graphite
Material bonnet: 1.0619+N
Bonnet gasket material: Stainless steel/graphite
Actuator material: Sheet steel
Minimum medium temperature (continuous): -10 °C
Maximum medium temperature (continuous): 450 °C
Maximum pressure difference at 20 °C: 40 bar

Application

- General industry.
- Neutral liquids and gases- Steam, hot or cold water, oil, etc.
- We recommend a bellows sealed valve for thermal oil.

Technical Information

- Design: EN 13709, EN 10213, EN 1092-1.
- Testing: EN 12266-1.
- DN125 and larger: see table maximum differential pressure.
- DN200 with fixed disc: standard equipped with a pressure balancing disc.

Options

- Available with regulating valve.
- Other materials, larger sizes and pressure classes on request.



Size table						
DN	A	L mm	H	M	Weight Kg	Kvs m3/hour
15	95	130	176	140	3.8	4.6
20	105	150	185	140	4.5	8
25	115	160	205	160	5.5	13.2
32	140	180	215	160	7.1	21
40	150	200	235	180	9.5	33
50	165	230	260	180	12	51
65	185	290	290	200	20.2	83
80	200	310	315	250	27.2	133
100	220	350	355	300	38.2	205
125	235	400	420	350	56.5	315
150	300	480	475	400	86.5	454
200	375	600	545	500	163.4	780

Pressure and temperature range							
-10/120	150	200	250	300	350	400	450 [°C]

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Pressure and temperature range								
40	38.1	35	32	28	25.7	23.8	22.2	[bar]

Maximum differential pressure				
DN15 - DN100	DN125	DN150	DN200	
40	25	21	14	[bar]
DN125 - DN200: if the differential pressure exceeds the above pressures, the valve must be equipped with a pressure balancing disc.				
DN200 with fixed disc: standard equipped with a pressure balancing disc.				

Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length mm	Operation	Type of disc	Type of bonnet	Sealing	Kv value m³/h	Article
1.0619+N	DN15	PN40	EN 558, Series 1	130	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Stainless steel	4.6	13540414
1.0619+N	DN20	PN40	EN 558, Series 1	150	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Stainless steel	8	13540416
1.0619+N	DN25	PN40	EN 558, Series 1	160	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Stainless steel	13.2	13540418
1.0619+N	DN25	PN40	EN 558, Series 1	160	Hand wheel, rising with rising stem	Screw down non-return disc with spring	Bolted bonnet	Stainless steel	13.2	13540419
1.0619+N	DN32	PN40	EN 558, Series 1	180	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Stainless steel	21	13540420
1.0619+N	DN50	PN40	EN 558, Series 1	230	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Stainless steel	51	13540424
1.0619+N	DN65	PN40	EN 558, Series 1	290	Hand wheel, rising with rising stem	Fixed disc	Bolted bonnet	Stainless steel	83	13540426

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