



ECON® Bellow sealed valve Type: 436 Steel Flange PN25/40

The ECON bellows shut-off valve made of steel is 100% leak-free to the environment thanks to the double stainless steel bellows. This means it is also emission-free, making it particularly suitable for applications in the chemical and petrochemical industries and for use with high-temperature media such as steam and thermal oil.

Thanks to the stainless steel bellows, the valve is not only leak-free but also maintenance-free, as there is no stuffing box seal to be tightened. The additional stuffing box along the spindle is only used as a reserve. As of DN200, the ECON bellows shut-off valve is supplied as standard with a pressure-relieving valve.

Characteristics

Type: 436

Norm: EN [DIN]

Construction type: Straight

Housing material: Steel

Surface protection: Standard manufacturers coating

Connection: Flange

Flange finish: Raised face

Operation: Hand wheel, non-rising with rising stem

Type of bonnet: Bolted bonnet

Stem seal type: Bellows

Sealing: 1.0619N + Stellite

Spindle material: 2Cr13

Primary spindle seal material: Graphite

Bellows material: 1.4571

Material bonnet: 1.0619+N

Bonnet gasket material: Stainless steel/graphite

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 450 °C

With position indicator: Yes

Application

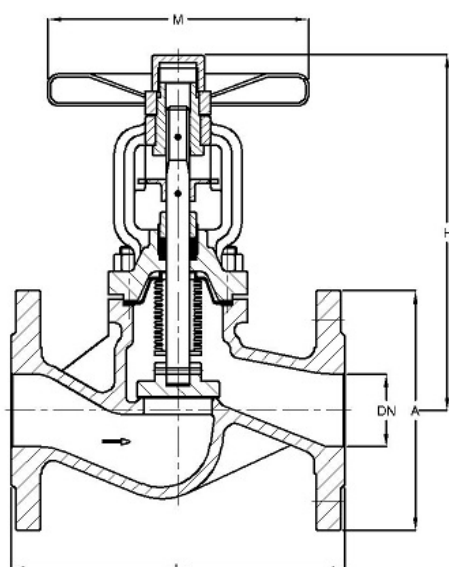
- General industry, power stations, exhaust gas purification, thermal oil systems, steam systems, heating systems, vacuum systems.

Technical Information

- Protected bellows for protection against water hammer.

Options

- Available with loose valve, control valve or pressure-relief valve.



Size table:

DN	A mm	H mm	L mm	M mm	Weight kg
DN15	95	195	130	140	4.1
DN20	105	197	150	140	5.1
DN25	115	207	160	160	6.2
DN32	140	207	180	160	7.3
DN40	150	234	200	180	10.6
DN50	165	254	230	200	12.6
DN65	185	305	290	220	19.1
DN80	200	337	310	250	26.1
DN100	235	391	350	300	35
DN125	270	441	400	350	60.3
DN150	300	477	480	350	88
DN200	375	672	600	450	178

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Pressure class	Pressure temperature range								
	-10/+50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	425°C
PN25	25	23.4	22.2	21	19.2	17.4	16.2	15	13
PN40	40	37.4	35.5	33.6	30.7	27.8	25.9	24	20.8

Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length	Type of disc	Material disc	Actuator material	Maximum pressure difference at 20 °C	Kv value	Article
				mm				bar	m³/h	
1.0619+N	DN15	PN40	EN 558, Series 1	130	Fixed disc	13Cr	SAE-AISI 1025	40	6	14154380
1.0619+N	DN20	PN40	EN 558, Series 1	150	Fixed disc	13Cr	SAE-AISI 1025	40	8.7	14154381
1.0619+N	DN25	PN40	EN 558, Series 1	160	Fixed disc	13Cr	SAE-AISI 1025	40	15.5	14154382
1.0619+N	DN32	PN40	EN 558, Series 1	180	Fixed disc	13Cr	SAE-AISI 1025	40	25.3	14154393
1.0619+N	DN40	PN40	EN 558, Series 1	200	Fixed disc	13Cr	SAE-AISI 1025	40	28.8	14154394
1.0619+N	DN50	PN40	EN 558, Series 1	230	Fixed disc	13Cr	SAE-AISI 1025	40	46.5	14154395
1.0619+N	DN65	PN40	EN 558, Series 1	290	Fixed disc	A105 + 13Cr	SAE-AISI 1025	40	76.4	14154396
1.0619+N	DN80	PN40	EN 558, Series 1	310	Fixed disc	A105 + 13Cr	SAE-AISI 1025	40	113.2	14154397
1.0619+N	DN100	PN40	EN 558, Series 1	350	Fixed disc	A105 + 13Cr	SAE-AISI 1025	40	180.2	14154398
1.0619+N	DN125	PN40	EN 558, Series 1	400	Fixed disc	A105 + 13Cr	SAE-AISI 1025	25	238.7	14154399
1.0619+N	DN150	PN40	EN 558, Series 1	480	Fixed disc	A105 + 13Cr	KTH 330	21	358.2	14154400
1.0619+N	DN200	PN25	EN 558, Series 1	600	Balanced valve	A105 + 13Cr	KTH 330	14	552	14154401
1.0619+N	DN200	PN40	EN 558, Series 1	600	Balanced valve	A105 + 13Cr	KTH 330	14	552	14154402

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