



s.135

stainless steel

2" - 3" - 4"
ANSI B16.5 flange
ISO 5211



Quality

- Anti-static device
- Locking device
- Long cycle life
- Test standard: API 598
- API 607 4th edition fire safe approval
- Vacuum service to 29" Hg

Body

- Body: ASTM A351 Gr. CF8M

Stem

- Blow-out proof stem design
- Adjustable stem packing

Sealing

- ME-PTFE seal kits:
 - replaces PTFE, RPTFE and FPA
 - low deformation under load
 - low permeation

Connections

- ANSI B16.5, B16.10 and B16.34 full compliance

Handle

- Handle in ASTM A536 Gr. 65-45-12
- **WARNING:** do not exceed reasonable temperature and/or electrical load

Working pressure & temperature

- General use: 750 PSI (see chart on reverse)
- 275 PSI for ASME 150 CF8M (see chart on reverse)
- Steam rating: 150 PSI WSP
- -50°F to +475°F
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

Approved by or in compliance with

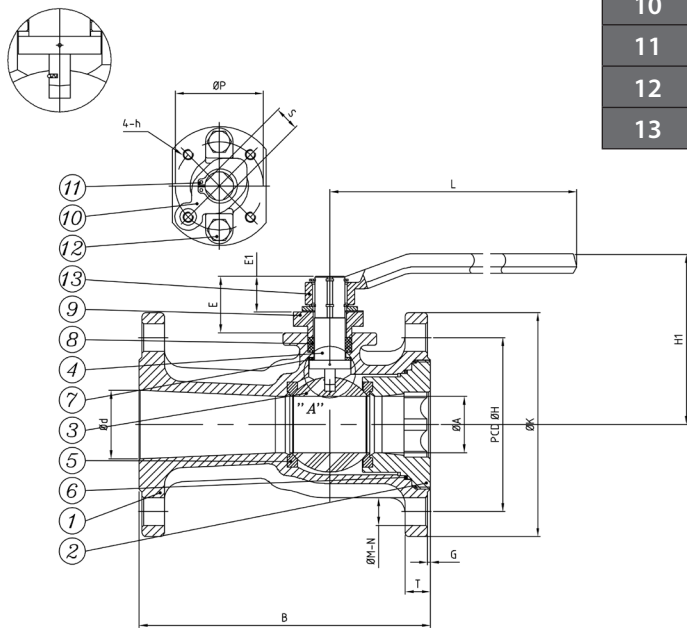
- GOST-R (Russia)

NOTE: approvals apply to specific configurations/sizes only.



Part description	Q.ty	Material
1	1	ASTM A351-CF8M
2	1	ASTM A351-CF8M
3	1	ASTM A351-CF8M
4	1	ASTM A276 Gr. 316
5	2	ME-PTFE*
6	1	ME-PTFE*
7	1	ME-PTFE*
8	1	ME-PTFE*
9	1	ASTM A351-CF8
10	1	SS304
11	2	SS304
12	2	ASTM A193 Gr. B8
13	1	ASTM A536 Gr. 65-45-12

"A" VIEW



*ME-PTFE is molecularly enhanced PTFE

Code	135IF0	135MF0	135NF0
Size (inch)	2"	3"	4"
A (inch)	1.50	2.56	3.15
B (inch)	7.0	8.0	9.0
E (inch)	1.65	2.20	2.20
E1 (inch)	1.02	1.44	1.44
d (inch)	1.97	3.15	3.94
G (inch)	0.06	0.06	0.06
H (inch)	4.75	6.00	7.50
K (inch)	6.00	7.50	9.00
T (inch)	0.62	0.75	0.94
M (inch)	0.75	0.75	0.75
N	4	4	8
P (inch)	2.76	4.02	4.02
S (inch)	0.67	0.87	0.87
L (inch)	9.13	12.87	12.87
H1 (inch)	4.96	5.98	6.30
h	M8*P1.25	M10*P1.5	M10*P1.5
F.. (ISO 5211)	F07	F10	F10

SIZE	2"	3"	4"
Cv Factor	170	430	565

Torque for actuator sizing in-lb

Delta P -->	Valve torque	
Valve Size	to open	to close
2"	376.15	376.15
3"	678.9	678.9
4"	909	909

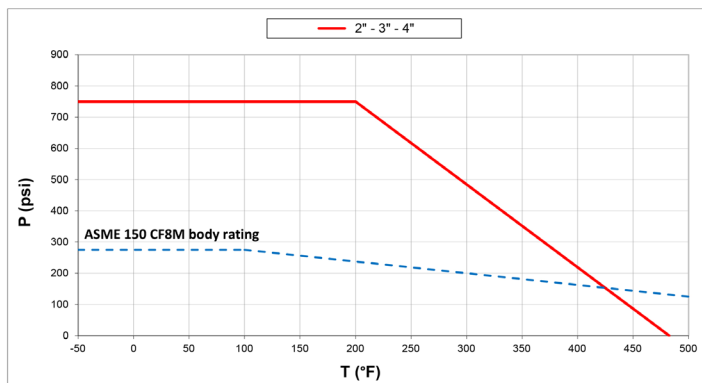
Torque correction factors

Valve torque can vary according to operating frequency, temperature and friction characteristics of the media.

If media has more or less friction than water, multiply torque by the following factors.

- Lubricating oils or liquids 0.8
- Dry gases, natural gas 1.5
- Slurries or liquids bearing abrasive particles 1.5÷2.5

Pressure-temperature chart



WARNING: This product can expose you to chemicals including lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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