

Mark 560 Series

Air Loaded Back Pressure Regulators

The Mark 560 is a highly accurate air loaded back pressure regulator that provides regulation from a local station or from a remote station.

The operation of the MK560 requires no control spring or pilot. Instead, a static air signal is applied to the top of the diaphragm to determine the setpoint.

The MK560 has a rangeability of approximately 40:1; the same as our pilot-type sliding gate regulator, the MK57. However, unlike other piloted regulators, the MK560 has no minimum differential pressure requirement, and, because of its lack of a pilot valve, the MK560 is not as susceptible to problems caused by dirty service.

The MK560 offers an easily adjustable setpoint. The setpoint is based on changing the air load to the top of the main valve's diaphragm. Because of this, it is often found in applications in which the pressure it controls must be changed to differing setpoints during the manufacturing process. The maximum setpoint is equal to the maximum body pressure limit.

SPECIFICATIONS

Sizes: 1-1/2" & 2" (DN40 & DN50)

End Connections

- Threaded – FNPT, BSPT, BSPP
- Welded – FSW
- ANSI Flanges – 125#, 150#, 250#, 300#
- DIN Flanges – PN10/16, PN25/40

Body Materials

- Ductile Iron
- Carbon Steel
- Stainless Steel
- Cast Iron

Trim Materials

- 303SS
- 316SS
- Monel
- Alloy 20
- Hastelloy C

Shutoff: ANSI Class IV

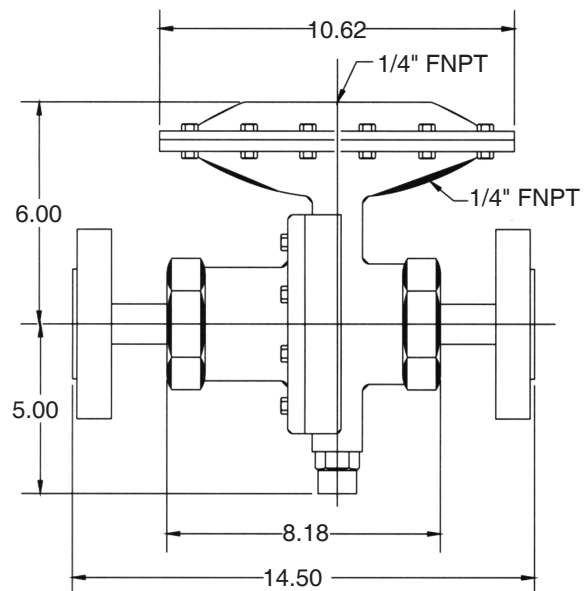
Seat Materials

- 303SS/Jorcote
- 316SS/Jorcote
- 303/Teflon
- 316/Teflon
- Monel/Teflon
- AL20/Teflon
- Hastelloy C/Teflon

Diaphragm Materials

- 316SST
- Jorlon
- Neoprene/Nylon
- Viton
- Monel
- Alloy 20
- Hastelloy C
- Buna-N

DIMENSIONS



Jordan Valve a division of Richards Industries
3170 Wasson Road • Cincinnati, OH 45209
513.533.5600 • 800.543.7311 • 513.871.0105 (f)
info@richardsind.com • www.jordanvalve.com

MARK 560 SERIES AIR LOADED BACK PRESSURE REGULATOR

ORDERING SCHEMATIC

Model No	Size	Body Mat'l	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

	Model
560	Standard

	Size
150	1-1/2" (DN40)
200	2" (DN50)

	Body Material
DI	Ductile Iron
CS	Carbon Steel (WCB)
S6	Stainless Steel (CF8M)
CI	Cast Iron

1 & 2	End Connections
PT	NPT
BT	BSPT
BP	BSPP
SW	FSW
F1	125# FE
F5	150# FE
F2	250# FE
F3	300# FE
F7	PN10 DIN FE
F6	PN16 DIN FE
F8	PN25 DIN FE
F4	PN40 DIN FE
ZZ	Non-Standard

3 & 4	Trim
S3	303SS
S6	316SS
MN	Monel
A2	Alloy 20
HC	Hastelloy C
ZZ	Non-Standard

5	Seats
Q	303/Teflon
R	316/Teflon
S	Monel/Teflon
T	AL20/Teflon
U	Hastelloy C/Teflon
V	303SS/Jorcote
W	316SS/Jorcote

6	Cv's (Kv's)	
	Cv	Kv
A	25	21,5
B	30	25,8
V	35	30,1
W	45	38,7
C	50	43,0

7 & 8	Diaphragm
S6	316SST
JL	Jorlon
NN	Neoprene/Nylon
VI	Viton
MN	Monel
A2	Alloy 20
HC	Hastelloy C
BN	Buna-N
ZZ	Non-Standard

9 & 10	Actuator (Diaphragm Material)
MD	for Metal Diaphragm
ED	for Elastomer Diaphragm
ZZ	Non-Standard

