

Mark 660 Series

Air Loaded Pressure Regulators

The Mark 660 is a highly accurate air loaded pressure regulator that provides regulation from a local station or from a remote station.

The operation of the Mark 660 requires no control spring or pilot. A static air signal is applied to the top of the diaphragm to determine the setpoint. The Mark 660 has a rangeability of approximately 40:1.

The Mark 660 setpoint is adjusted by controlling the air pressure supplied to the top of the diaphragm. This supplied air pressure opens the valve to allow the process media to pass through the seats. The downstream pressure is sensed beneath the diaphragm. As the downstream pressure exceeds the setpoint, pressure is exerted on the diaphragm which raises the stem to modulate the seats toward the closed position.

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

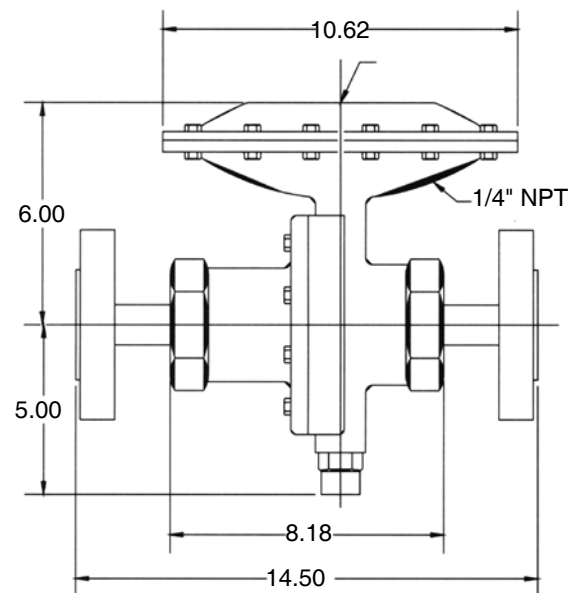
Seat Materials

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

Diaphragm Materials

- 316SST
- Neoprene/Nylon
- Viton
- Monel
- Alloy 20
- Hastelloy C
- Buna-N
- 316SST/Teflon-Coated
- MN/Teflon-Coated

DIMENSIONS



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ORDERING SCHEMATIC

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

Model	
660	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
X	303/Jorcote/Jordanic
Y	316/Jorcote/Jordanic

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
NN	Neoprene/Nylon
VI	Viton
MN	Monel
A2	Alloy 20
HC	Hastelloy C
BN	Buna-N
T1	S6/Teflon-Coated
T2	MN/Teflon-Coated
ZZ	Non-Standard

9 & 10	Actuator (Diaphragm Material)
MD	for Metal Diaphragm (S6, MN, A2, HC, T1, T2)
ED	for Elastomer Diaphragm (NN, VI, BN)
ZZ	Non-Standard

