



# WELDCUT

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## SERIES 51

### TWO STAGE CYLINDER REGULATOR

#### FEATURES

- TWO STAGE OF REGULATION
- 200 / 250 bar MAXIMUM INLET PRESSURE
- SIX OUTLET CONTROL RANGES :  
0-1, 0-2, 0-4, 0-5, 0-7, 0-10, 0-20  
AND 0-30 bar
- 316L SS, MONEL®, OR  
HASTELLOY® BODY
- TEFZEL® SEAT / TEFLON® SEAL
- 30 MICRON INLET FILTER
- 32 MICRO INCH FINISHED  
DIAPHRAGM CAVITY



THE SERIES 51, TWO STAGE REGULATOR, IS GAS CYLINDER READY. COMPLETE WITH CUSTOMER SPECIFIED INLET AND OUTLET PRESSURE GAUGES AND IS/CGA CONNECTOR. THESE COMPONENTS ARE SUPPLIED IN THE SAME MATERIAL AS THE REGULATOR BODY.

ITS TWO STAGE ASSURE THAT THE OUTLET PRESSURE SET POINT IS VIRTUALLY UNEFFECTED BY CYLINDER PRESSURE DECAY, WITH AN OUTLET PRESSURE DECREASE OF ONLY 02 PSIG PER 100 PSIG LOSS IN CYLINDER PRESSURE.

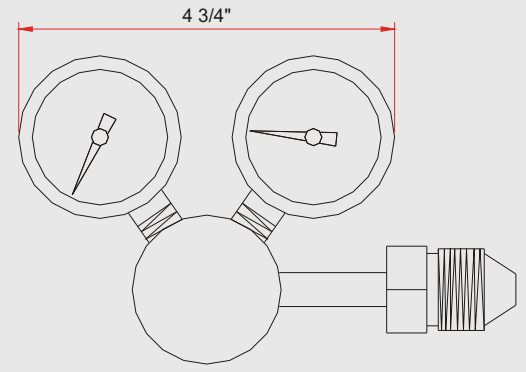
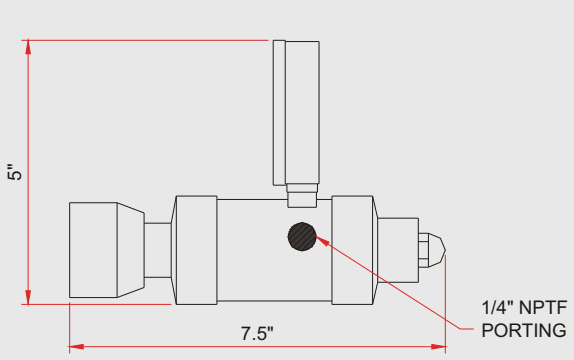
AVAILABLE IN 316L SS, MONEL® OR HASTELLOY®, PERMIT THE SERIES 51 DESIGN TO HANDLE INERT OR THE MOST AGGRESSIVE OF GASES.

THE WIDE VARIETY OF PORT CONFIGURATION AND FACTORY INSTALLED OPTIONS ALLOWS THIS REGULATOR TO BE ORDERED TO THE CUSTOMERS EXACT SPECIFICATIONS.

THE STANDARD CV OF .07 MAY BE OPTIONED TO A MORE MODERATE Cv .24

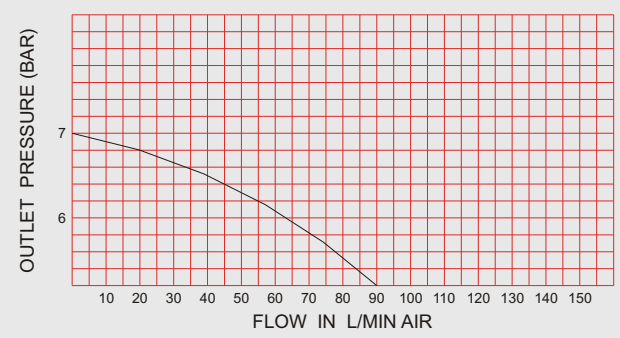
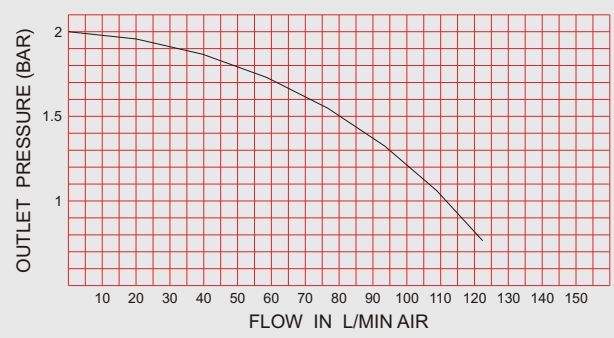
#### APPLICATIONS

- CALIBRATION EQUIPMENT
- PETRO / CHEMICAL INDUSTRY
- GAS & LIQUID SAMPLING
- PURGE / CARRIER GASES
- COMPONENT TESTING
- INDUSTRIAL CONTROL



**SERIES 51**  
0-2 BAR CONTROL RANGE  
INLET PRESSURE 225-3000 W/.07Cv

**SERIES 51**  
0-7 BAR CONTROL RANGE  
INLET PRESSURE 300-3000 W/.07Cv



**ORDERING INFORMATION**

\* EXAMPLE PART NUMBER 51 - 1 5 6 N E - 4

**SERIES**

**BODY MATERIAL**

- 1.....316L SS
- 2.....MONEL
- 3.....HASTELLOY
- 4.....BRASS

**CONTROL RANGE**

- 1.....0-1 BAR
- 2.....0-2 "
- 3.....0-4 "
- 4.....0-5 "
- 5.....0-7 "
- 6.....0-10 "
- 7.....0-20 "
- 8.....0-30 "

**PORT CONFIGURATION**

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....
- 6.....
- 7.....
- 8.....
- 9.....
- X.....SPECIAL



**OPTIONS**

- 1) PANEL MOUNT
- 2) MOUNTING BRACKET
- 3) .24 Cv
- 4) RELIEF VALVE
- 5) N/A
- 6) CHROME PLATING
- 7) ELASTOMER DIAPHRAGM
- 8) DOME LOADED
- 9) MS THREADS
- 10) AN THREADS
- 11) SAE THREADS
- 12) CONTAINED VENTED BONNET
- 13) NUCLEAR SERVICE
- 14) CONTAINED VENTED BONNET W/ PANEL MOUNT
- 15) OUTLET VALVE (PACKED)
- 16) OUTLET VALVE (PACKLESS)
- 17) N/A
- 18) SS BONNET
- 19) WELDED CONNECTIONS
- 20) HIGH TEMP SERVICE
- 21) 16 RMS FINISHED DIAPHRAGM CAVITY
- 22) 8 RMS FINISHED DIAPHRAGM CAVITY
- 23) KEL-F SEAT
- 24) VESPEL SEAT

**OUTLET GAUGE RANGE**

- A) 0 - 2.5 BAR
- B) 0 - 4 "
- C) 0 - 6 "
- D) 0 - 10 "
- E) 0 - 16 "
- F) 0 - 25 "
- G) 0 - 40 "
- H) 0 - 60 "

**INLET GAUGE RANGE**

- I) 0 - 160 "
- J) 0 - 200 "
- K) 0 - 250 "
- L) 0 - 280 "
- M) 0 - 300 "
- N) 0 - 400 "

\*SERIES 51 REGULATOR WITH 316L SS BODY, 0 - 7 BAR CONTROL RANGE, 0 - 400 BAR INLET GAUGE RANGE, 0 - 16 BAR OUTLET GAUGE RANGE, OUTLET PORT WITH RELIEVE VALVE