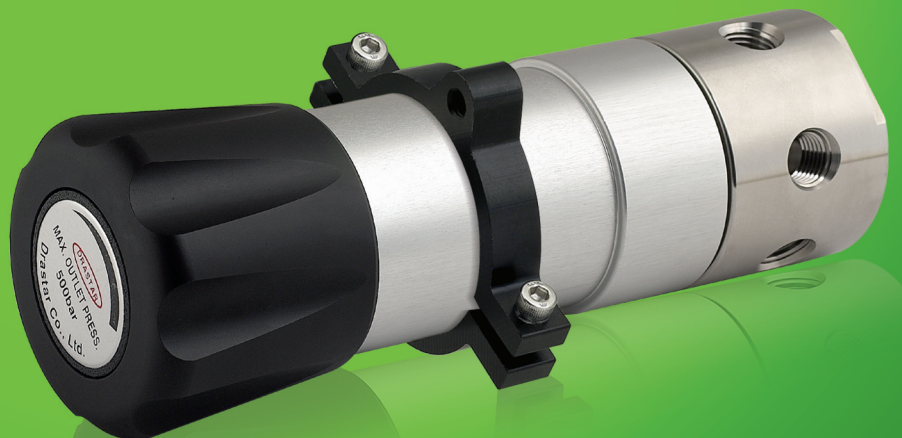




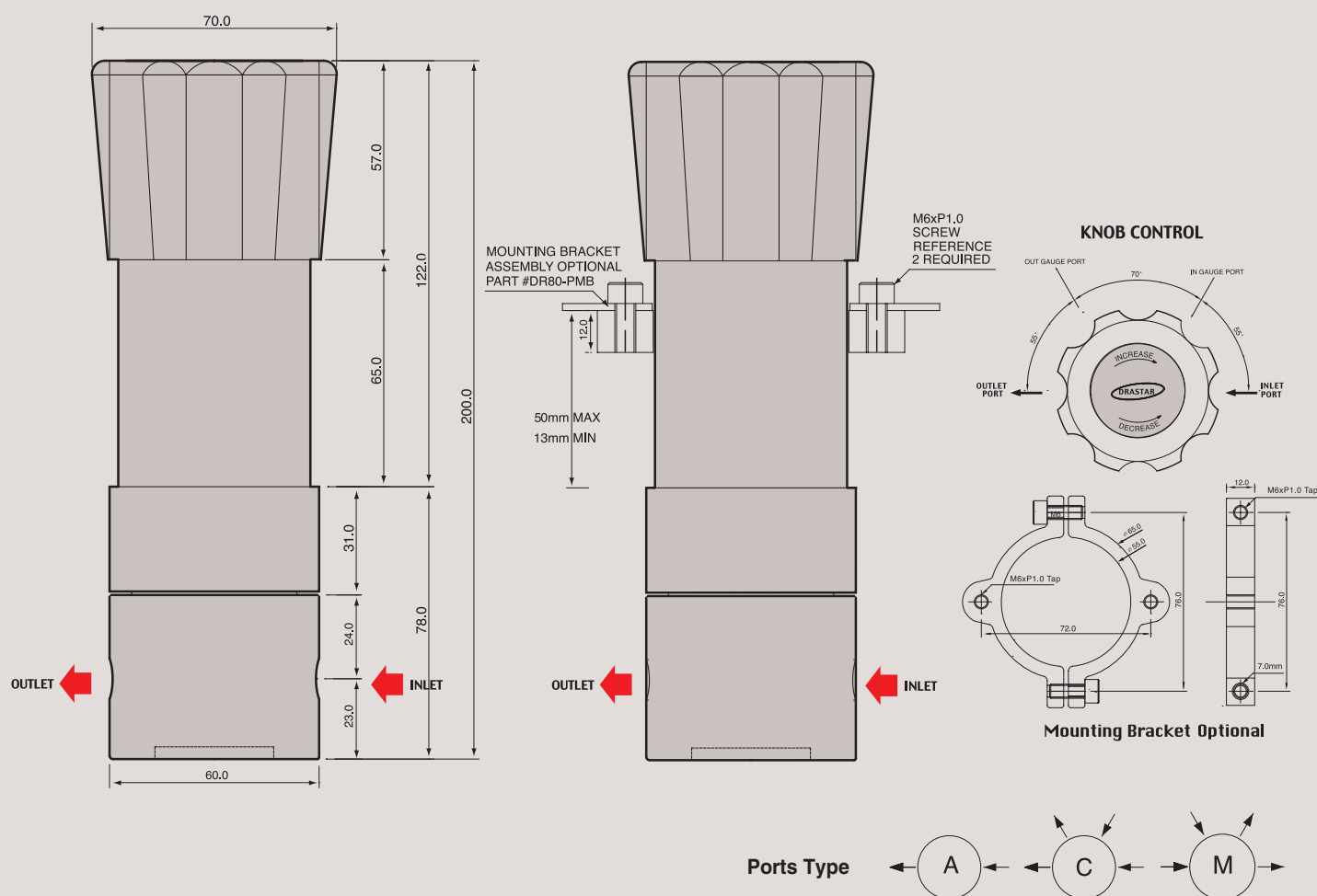
# DR80 S E R I E S

ULTRA HIGH-PRESSURE NPT TYPE



## FUNCTIONAL SCHEMATIC

## INSTALLATION DIMENSIONS



### Ultra High-Pressure NPT type(1/4", 1/2")

DR80 Series is a NPT type ultra-high pressure reducing regulator. With the "piston diaphragm", which Drastar specially developed, DR80 Series is suitable to regulate ultra-high pressure gases and liquids up to max. 700 bar (10000 psig) more safely. As body and all internal parts are made of stainless steel 316L material, it is suitable for corrosive gases and liquids as well.

## Features & Applications

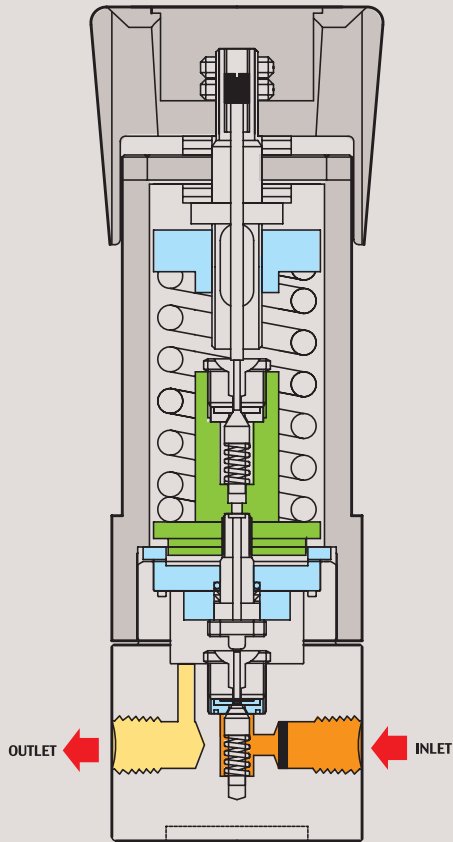
- 1/4" & 1/2" NPT type
- Suitable for the high pressure labs, industrial control
- Inlet pressures are 700bar(10000psig) or 420bar(6000psig) and outlet pressures are 70bar(1000psig) ~ 700bar(10000psig)
- Panel mounting bracket available as option
- Design proof pressure: 150% of maximum rated



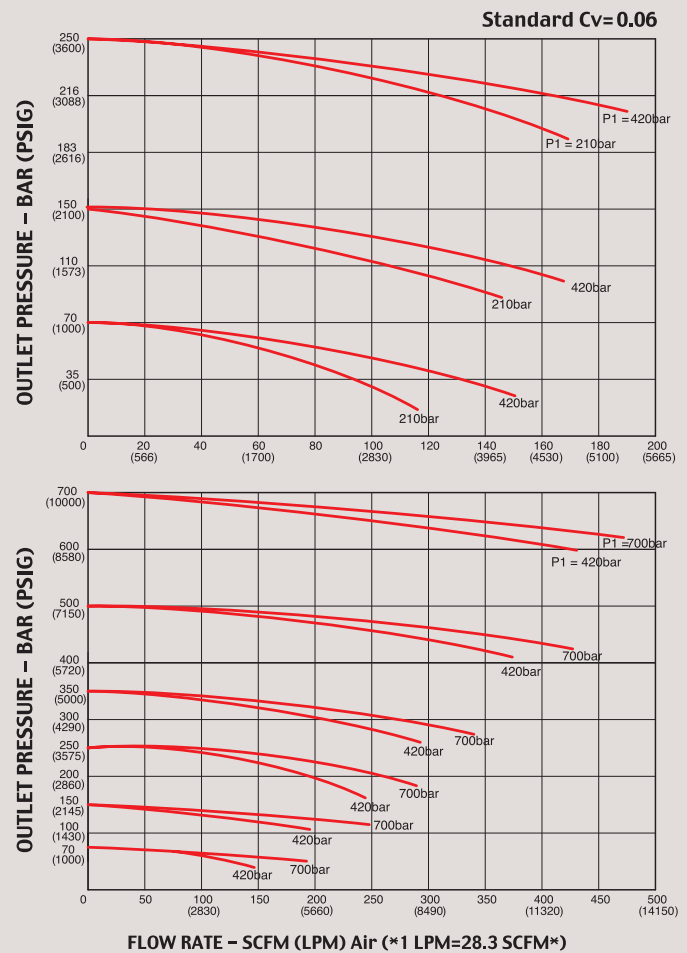
## REFERENCE

This catalogue is printed as of January 2018, and the dimensions and/or specifications in this catalogue can be changed without prior notice in the course of constant upgrading and improvement of our products.

## FUNCTIONAL SCHEMATIC



## FLOW CHART



※ DRSTAR' s all pressure regulators are assembled, cleaned, inspected, and packed in clean-room equipped with clean bench, helium detector, particle counter, ultrasonic cleaner, ultrapure water system, vacuum packaging machine, etc. through oxygen cleaning procedure in compliance with process and regulations indicated in CGA 4.1. and or ASTM G-93 and are free of any grease or oils.

※ **Caution:** Filtering (gas  $7\mu\text{m} \sim 15\mu\text{m}$ , water  $15\mu\text{m} \sim 80\mu\text{m}$ ) is a MUST to use in the general gas application other than high purity gases. Otherwise, it may cause a failure to the regulators. It is strongly recommended to install filter for extension of life span and saving the maintenance expense.

## ORDERING INFORMATION

**DR80 – B S – 070 A – 1 S – V – H1**

BASIS SERIES	INLET PRESSURE	BODY MATERIAL	CONTROLLED PRESS. RANGES	PORT TYPE NPTF	IN & OUT PORTS SIZE	FLOW CAPACITY	SELF VENTING	HIGH TEMPERATURE
DR80	A-420bar(6,000psig) B-700bar(10,000psig)	S-ST3 316L	070 - 70bar (1,000psig) 150 - 150bar (2,100psig) 250 - 250bar (3,600psig) 350 - 350bar (5,000psig) 500 - 500bar (7,200psig) 700 - 700bar(10,000psig)	A = 2Ports C = 4Ports M = 4Ports	1 = 1/4" 2 = 1/2"	S = 0.06 O = 0.2  Optional	V=SELF-VENTING  Optional	H1 = +120° C H2 = +250° C H3 = +350° C  Optional