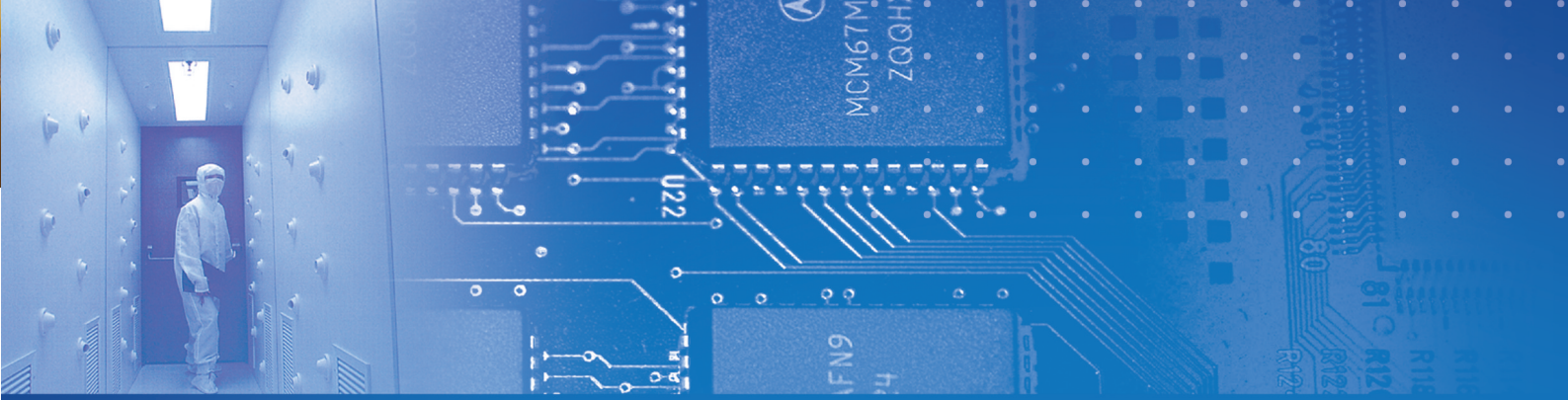


DR70 SERIES

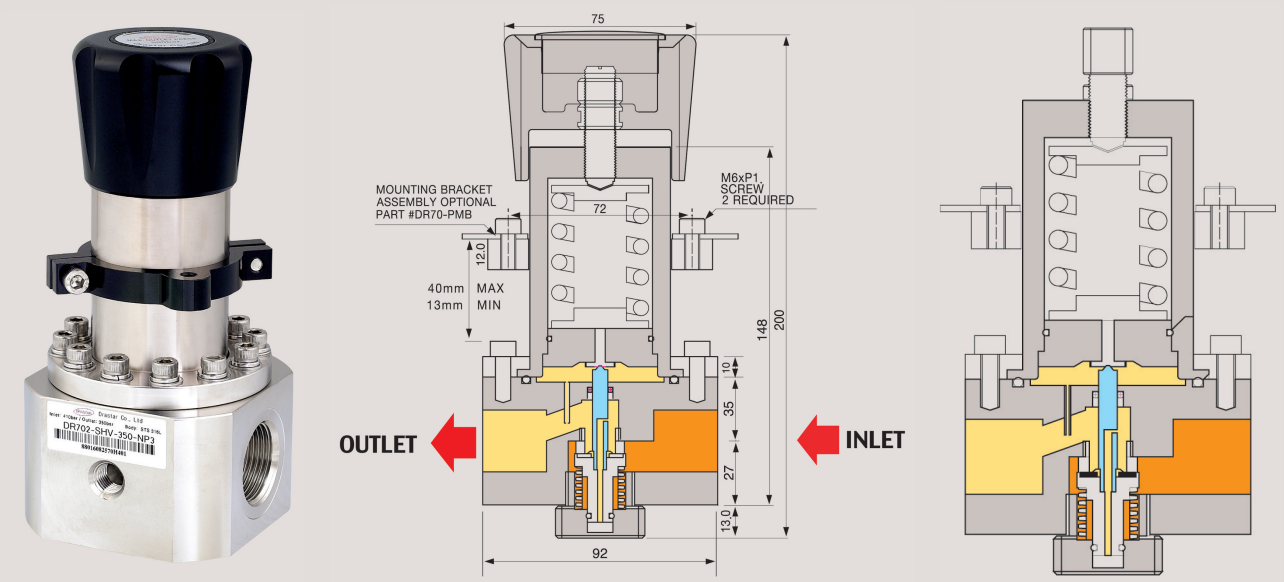
High Flow High Pressure Reducing Regulators



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이 카다록은 2024년 1월에 개정 또는 업데이트 되었으며 이전의 카다록을 대체합니다.

FUNCTIONAL SCHEMATIC

■ BOLT CONTROL TYPE (DR701 SERIES)



DR70 High Flow, High Pressure, Single-Stage NPT & BSP type 1/2″, 3/4″, 1″

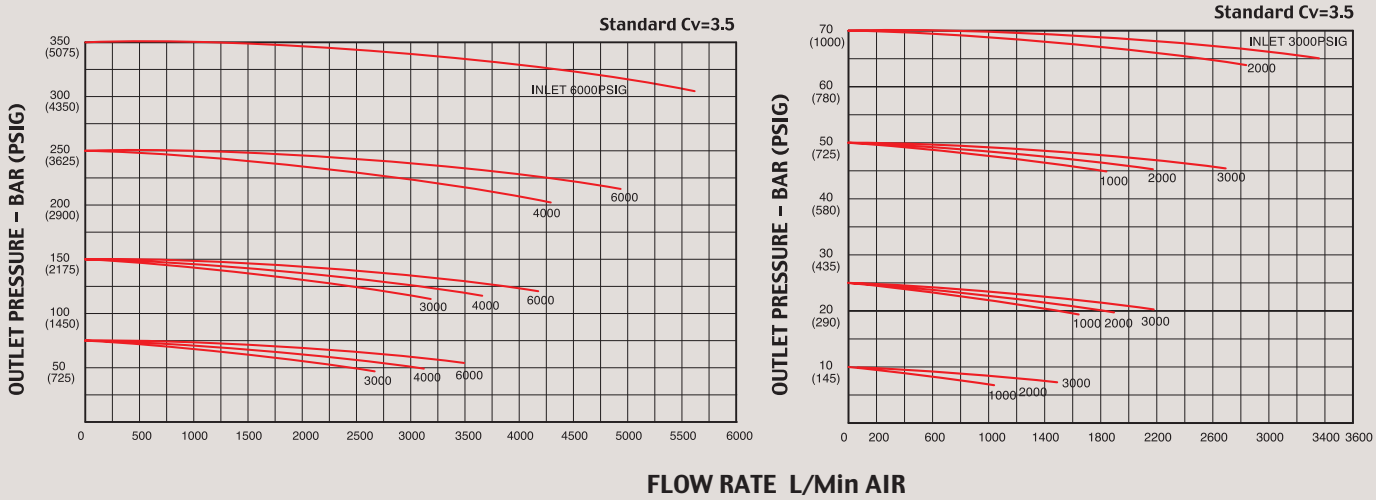
Cv 3.5 제품으로 고유량이 요구되는 물, 케미칼, 액체 또는 가스 배관라인 등에 최적

- 316L Stainless Steel or Nickel-plated Brass Body.
- 레귤레이터 내 압력상승 보정 기능으로 입구압력의 변화에도 출구압력을 안정적으로 정밀하게 유지 가능.
- 현장여건에 따라 설치방향을 바꿀 수 있도록 상.하에 각각 아울렛 게이지 포트 구성.
- 전 부품은 CGA4.1 and ASTM G93 규정에 따라 세척하여 O² 사용 가능한 Oil free 제품임.
- 클린라인 외의 경우 고장방지 및 수명 연장을 위해 별도의 필터사용 필수 권장.(gas 7㎛~15㎛, water 15㎛~80㎛)

Specifications

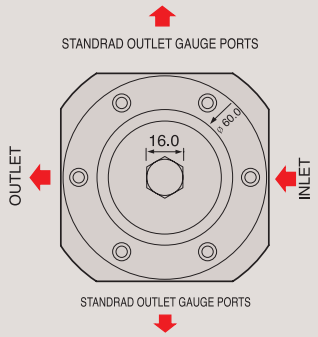
Inlet & Outlet Ports	1/2″, 3/4″, 1″ NPTF or BSP / Gauge port: 1/4″ NPTF
Body	316L Stainless Steel / Nickel-plated Brass
Bonnet	Nickel-plated Brass (standard)
Diaphragm	316L Stainless Steel
Main Valve	316L Stainless Steel
Valve Spring	316L SS (standard) / Inconel (option)
Valve Seat	Teflon (standard) / PCTFE, Vespel (option)
Maximum Inlet Pressure	B = 1,500psi (Brass) / S = 3,000psi (316L SS) / SH = 6,000psi (316L SS)
Outlet Pressure/bar (psi)	10 (145), 25 (363), 50 (725), 70 (1,015), 150 (2,175), 250 (3,625), 350 (5,075)
Design Proof Pressure	150% of rated capacity
Leakage	Internal: Bubble-tight / External: $\leq 2 \times 10^{-8}$ atm cc/sec He
Operating Temperature	-40°C to +70°C(-40°F to +160°F) (Standard) H1 : up to +120°C (option) H2 : up to +250°C (option) H3 : up to +320°C (option)
Flow Capacity (Cv)	3.5
Other Options	Pressure gauge, Panel Mounting Bracket, Wall Mounting Bracket
Net Weight (excl. gauge)	Approximately 5.3kgs

FLOW CHART

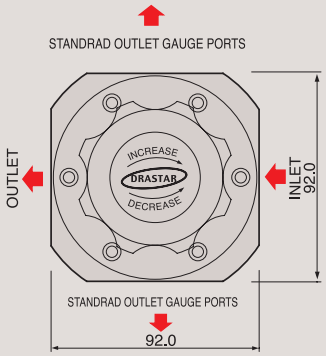


INSTALLATION DIMENSIONS

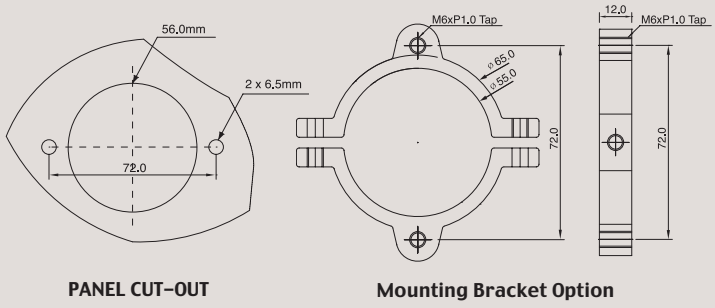
■ BOLT CONTROL TYPE



■ KNOB CONTROL TYPE



■ MOUNTING BRACKET



DR70 High Flow, High Pressure, Single-Stage NPT & BSP type 1/2″, 3/4″, 1″

- 316L Stainless Steel or Nickel-plated Brass body.
- Having Cv 3.5, optimal for high flow applications of water, liquids, chemicals, and gas piping lines.
- Designed to maintain stable and precise outlet pressure against fluctuations of inlet pressure by self-calibrating the pressure increase.
- 2 outlet pressure gauge ports offer installation options based on-site conditions.
- Cleaning : CGA 4.1. and ASTM G-93 for O^2 service / Oil-free.
- Except for high purity gas lines, separate filtering is MUST (gas 7㎛~15㎛ water 15㎛~80㎛) for long life and failure prevention.

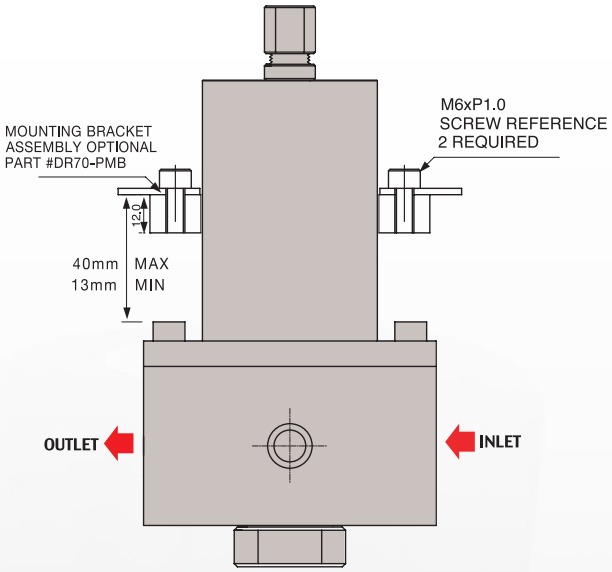
Ordering Information

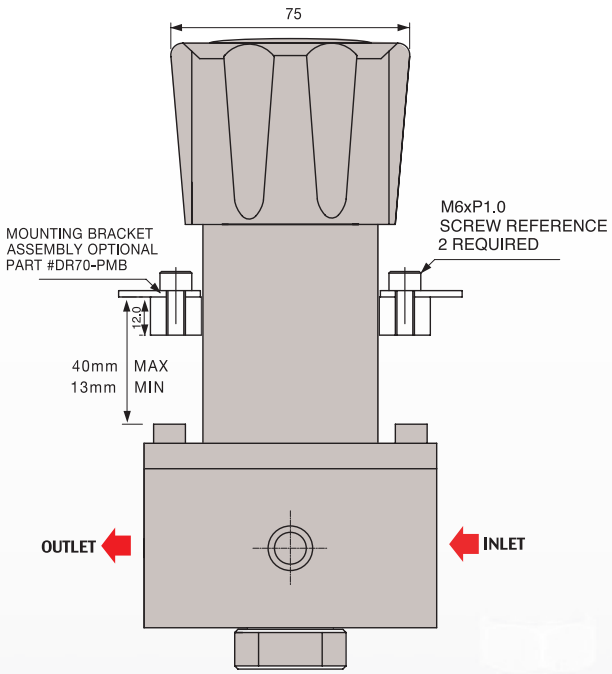
DR70	2	- S	P	- 010	- NP1	- V	- H1
Basic Series	Control Type	Body Material/ Inlet Pressure	Valve Seat	Outlet Pressure Range(bar/psi)	Inlet & Outlet Ports Type & Size	Self-venting	High Temperature
DR70 1/2″, 3/4″ 1/4″NPTF BSP	1= Bolt Type 2= Knob Type	B = Brass 1,500psi S = 316L SS 3,000psi SH = 316L SS 6,000psi	P = Teflon V = Vespel SH = Vespel Standard	010 = 10/145 025 = 25/362 050 = 50/725 070 = 70/1,015 150 = 150/2,175 250 = 250/3,625 350 = 350/5,075	NP1 = NPTF 1/2″ NP2 = NPTF 3/4″ NP3 = NPTF 1″ BS1 = BSP 1/2″ BS2 = BSP 3/4″ BS3 = BSP 1″	-Non-venting V = Self-venting Optional	H1 = 120°C H2 = 250°C H3 = 320°C Optional

※Note: 1) DR70 is a 3-porting model having 2 outlet gauge ports. / DR70 시리즈는 아웃렛 게이지 포트가 2개임.
2) 150 / 250 / 350bar are subject to SH (316L SS, 6000psi) / 150, 250, 350bar 모델은 SH 기본임. (316SS/6,000psi)
3) Self-venting option (V) is NOT compatible with 150 / 250 / 350bar outlet pressure. / 150 / 250 / 350bar에는 셀프벤팅 불가.
4) Push and lock handle is NOT compatible with DR70 series / DR70 시리즈는 푸시 & 락 핸들 적용 불가.

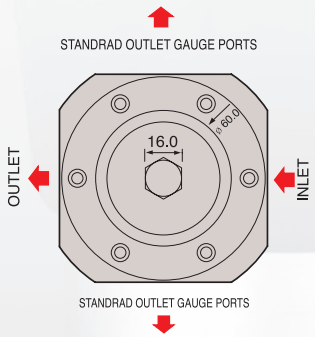
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INSTALLATION DIMENSIONS

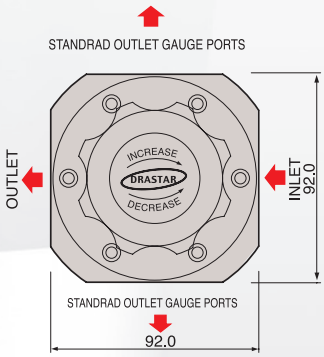




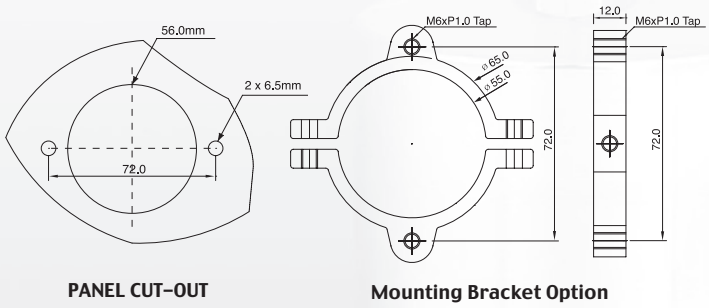
■ BOLT CONTROL TYPE



■ KNOB CONTROL TYPE



■ MOUNTING BRACKET



DR70 Series Part List

- When necessary, please contact please contact. www.drastar.com