



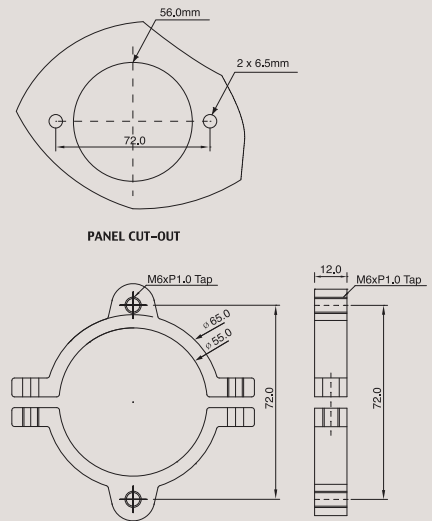
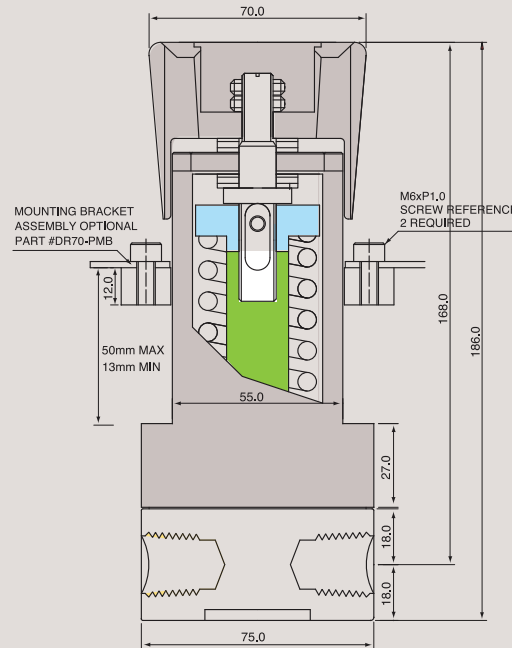
088 S E R I E S



Relief / Backpressure Reducing Regulators



INSTALLATION DIMENSIONS



Mounting Bracket Option

088 Backpressure High pressure

Relief / Backpressure NPT 1/4", 1/2"

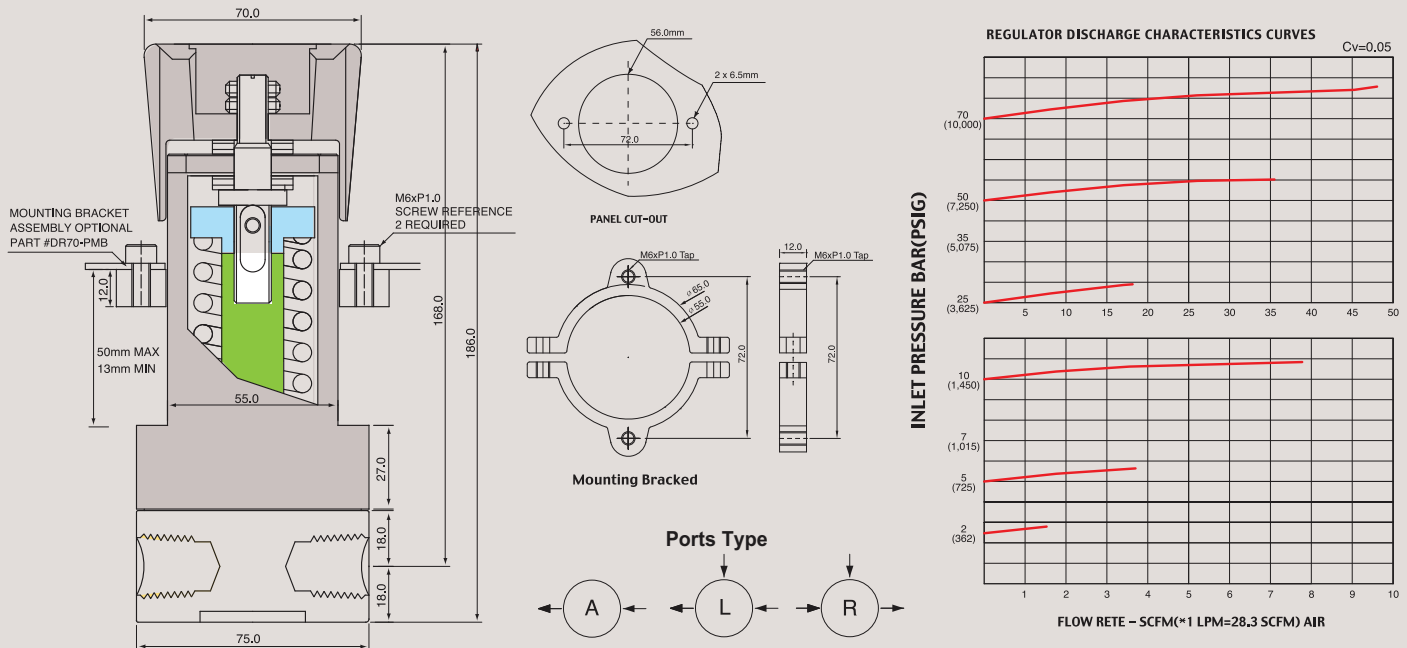
- 088시리즈는 $C_v=0.05$ 또는 0.6으로 초 고압 전용 Relief / Back Pressure Regulator로서 물, 케미칼, Liquid 또는 가스 등을 사용하기에 적합한 제품입니다.
- Body의 재질은 Stainless Steel 316L로 이루어졌으며 출구압력은 모델에 따라 5bar(72psig)에서 최대 700bar(10,000psig)의 초 고압까지 폭넓게 사용 할 수 있습니다.

※ 주의 : 크린라인이 아닌 일반 라인에 사용 할 경우 반드시 필터링(gas $7\mu m \sim 15\mu m$, water $15\mu m \sim 80\mu m$)을 하여야 하며, 그렇지 않을 경우 바로 고장의 원인이 됩니다. 모든 제품은 필터링하여 사용하면 A/S 비용 절감과 제품의 수명연장에 많은 도움이 됩니다.

Specifications

In/Outlet Port Size	1/4" FNPT / 1/2" FNPT / Gauge port: 1/4" NPT
Body	Stainless Steel 316L
Bonnet	Aluminum #2024 (Standard) / Stainless Steel (Option)
Diaphragm	Stainless Steel 316L
Main Valve	Stainless Steel 316L
Valve Spring	Stainless Steel 316L
Valve Seat	Teflon (Kel-F, Polyimide, etc.: optional)
Outlet Pressure Range	25bar(362psig), 50bar(725psig), 100bar(1450psig), 250bar(3600psig), 500bar(7250psig), 700bar(10,000psig)
Design Proof Pressure	150% of maximum rated
Leakage	to 2×10^{-6} atmcc/sec Helium available
Operating Temperature	-40°C to +70°C (-40°F to +160°F) (Standard) H1 option: up to +120°C (Optional) H2 option: up to +250°C (Optional)
Flow Capacity	$C_v = 0.05$ (Standard) / 0.6 (Option)
Other Options	CGA, Pressure Gauges, etc.
Weight	Approx. 2.6kgs

FLOW CHART



088 Series is a 1/4" and 1/2" NPT type back-pressure regulator suitable for water, chemical, liquid, gas, etc. Having $C_v=0.05$ or 0.6 and made of stainless steel 316L, 088 Series is specially suitable for high pressure from 5bar (72psig) up to max 700 bar (10,000psig).

Features & Applications

- 1/4" or 1/2" NPT back-pressure regulator suitable for high pressure
- Controlled pressure ranges: 0.5bar~25bar, 0.5bar~50bar, 10bar~100bar, 20bar~250bar, 30bar~500bar, 40bar~700bar
- Wall mounting bracket option
- Design proof pressure: 150% of maximum rated
- Applicable for water, chemical, liquid, gas, etc.

※ DRASTAR' 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 $7\mu m \sim 15\mu m$, water $15\mu m \sim 80\mu m$) 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

088 S - 025 A - 2 S - H1

BASIS SERIES NUMBER	BODY MATERIAL	CONTROLLED PRESSURE RANGE	PORTS TYPE F NPT	IN/OUTLET PORTS SIZE	FLOW CAPACITY	VALVE SEAT	HIGH TEMPE- RATURE
088 Series	S = Stainless Steel 316L	025 = 25bar (362psi) 050 = 50bar (725psi) 100 = 100bar (1,450psi) 250 = 250bar (3,625psi) 500 = 500bar (7,250psi) 700 = 700bar (10,000psi)	A = 2 Ports L = 3 Ports R = 3 Ports	1 = 1/4" NPT 2 = 1/2" NPT	S = C_v 0.05 Standard O = C_v 0.6 Optional	PCTFE Standard P=PEEK V=Vespel Optional	H1 = +120° C H2 = +250° C H3 = +320° C Optional

