

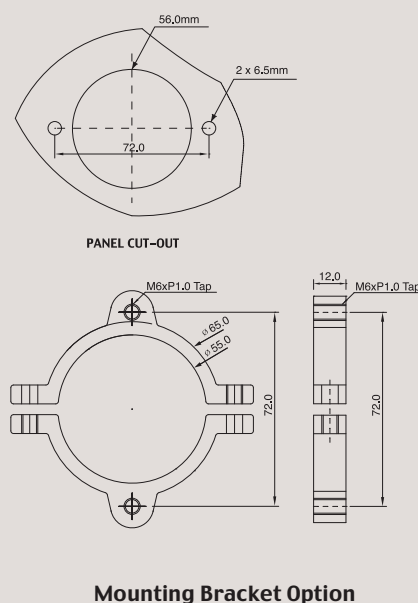
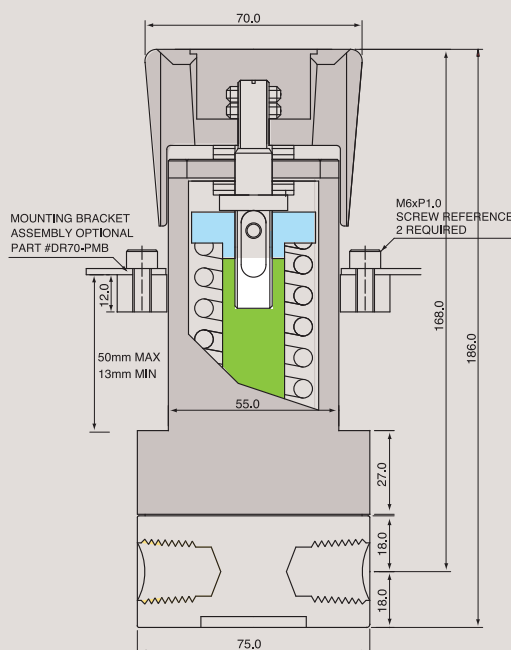
088 S E R I E S

Relief / Backpressure Reducing Regulators



This catalogue is revised and/or updated as of Jan. 2020 and supersedes any old ones.
이 카디록은 2020년 1월에 개정 또는 업데이트 되었으며 이전의 카디록을 대체합니다.

INSTALLATION DIMENSIONS



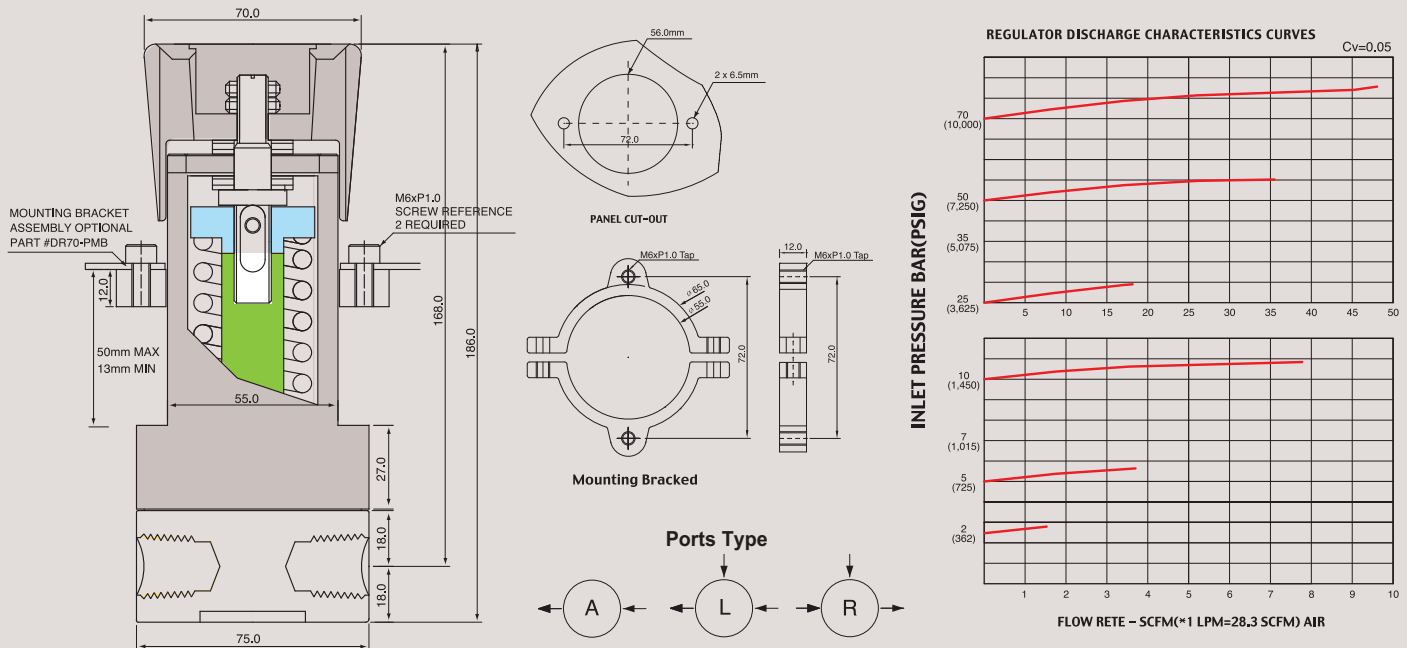
088 Backpressure High pressure

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

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 2x10 ⁻⁸ atmcc/secHeliumavailable
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	Cv = 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 TEMPERATURE
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

