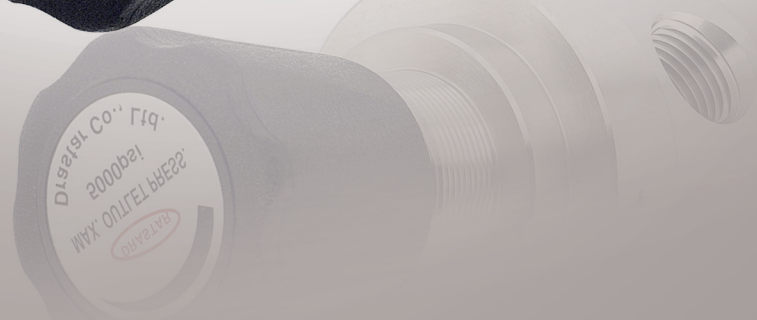




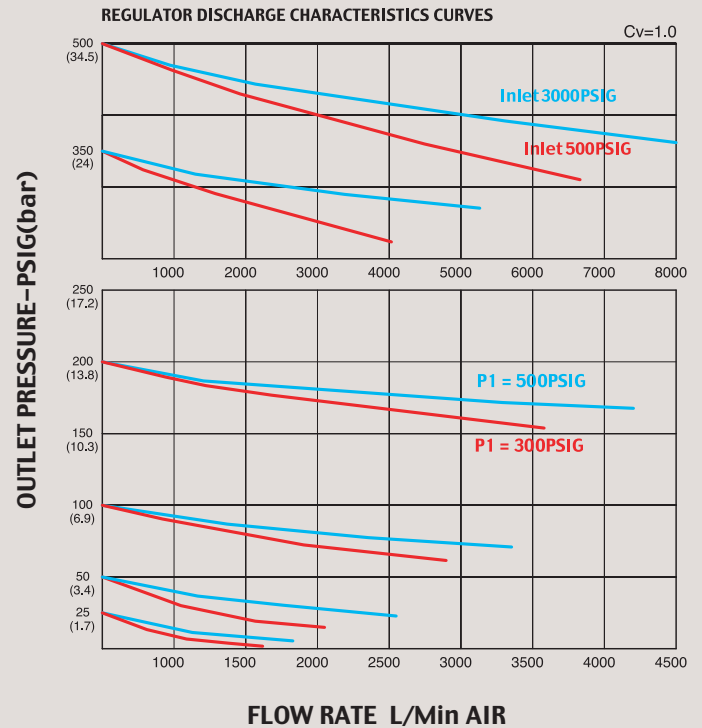
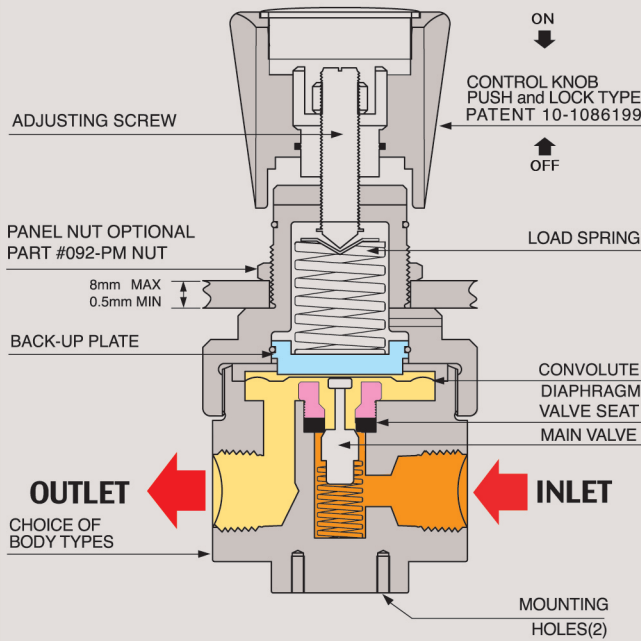
092 S E R I E S

High Flow Low Pressure Reducing Regulators



FUNCTIONAL SCHEMATIC

FLOW CHART



092 High Flow, Low Pressure, Single-Stage NPT type 1/2"

Cv 1.0 제품으로 고유량이 요구되는 정밀 배관라인 등 작업환경에서 가장 많이 사용되는 1/2" NPT 타입

- 316L Stainless Steel Body
- 일반가스 라인, 벌크 가스라인은 물론 실험실, 분석용 특수 가스, 고순도 가스, 막상용 가스 및 부식성 가스와 액체 등에도 폭넓게 사용 가능.
- 푸시 & 락 핸들(당사 특허) 장착으로 운전 중 셋팅 값 변동 방지 (General Information 참조).
- 전 부품은 CGA4.1 and ASTM G93 규정에 따라 세척하여 0° 사용 가능한 Oil free 제품임.
- 클린라인 외의 경우 고장방지 및 수명 연장을 위해 별도의 필터사용 필수 권장. (gas 7 μ m ~ 15 μ m, water 15 μ m ~ 80 μ m)

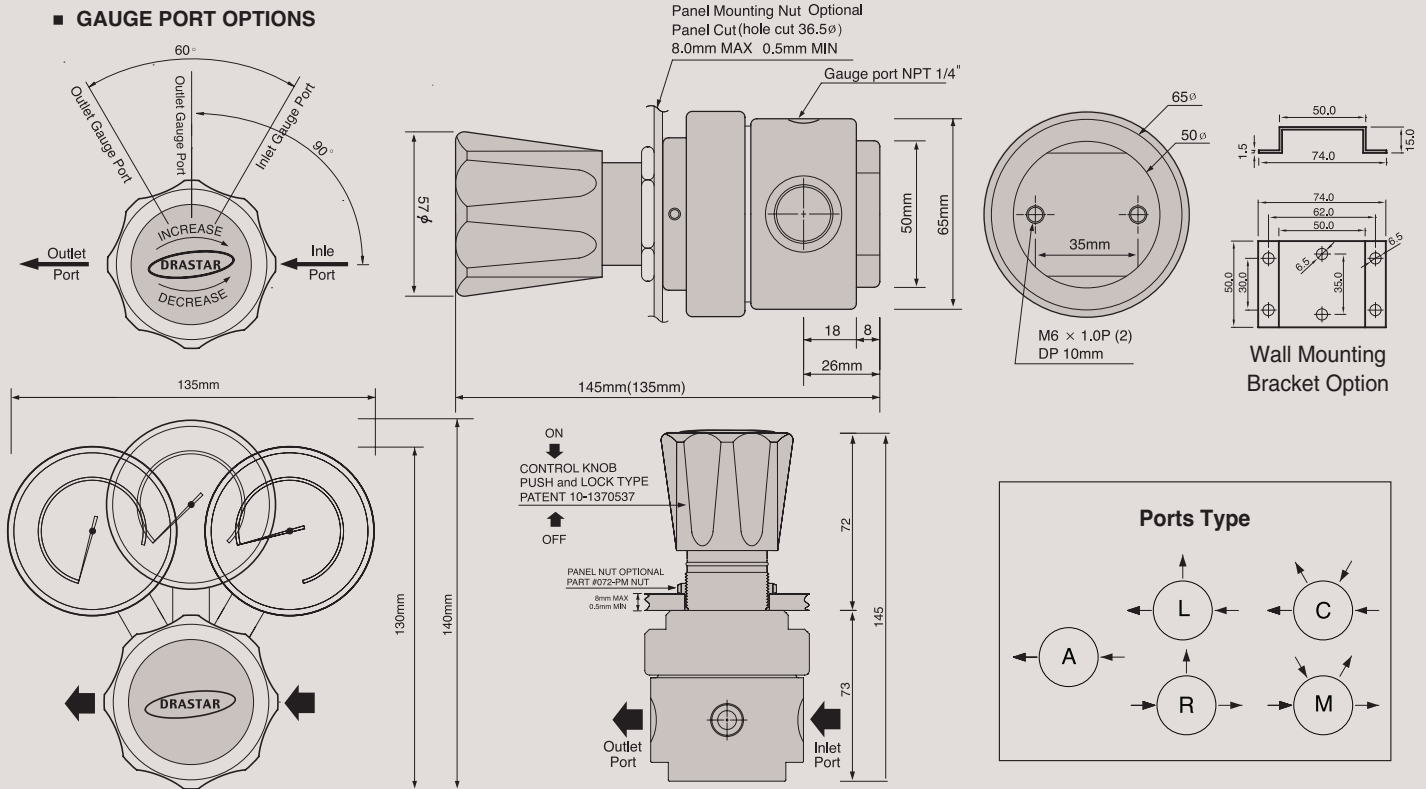
Specifications

Inlet & Outlet Ports	1/2" NPTF / Gauge port: 1/4" NPTF
Body	092S-0000-1S: 316L Stainless Steel
Bonnet	Brass (standard)
Diaphragm	316L SS (standard) / Hastelloy C-22 (option)
Main Valve	316L SS
Valve Spring	316L SS (standard) / Hastelloy C-22 (option) / Inconel (option)
Valve Seat	Teflon (standard) / Vespel, PEEK (option)
Maximum Inlet Pressure	092x-0000-1S : 3,000psi (207bar) 092x-0000-1S-5 : 600psi (41.4bar)
Outlet Pressure/psi (bar)	25(1.7), 50 (3.4), 100(6.9), 200 (13.8), 350(24.1), 500 (34.5)
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)	1.0
Other Options	Pressure gauge, CGA, Panel Mounting Nut, Wall Mounting Bracket
Net Weight (excl. gauge)	Approximately 1.6kgs

INSTALLATION DIMENSIONS

METRIC EQUIVALENTS ARE IN PARENTHESES

GAUGE PORT OPTIONS



092 High Flow, Low Pressure, Single-Stage NPT type 1/2"

- 316L Stainless Steel Body.
- Having Cv 1.0, optimal for high pressure applications of high purity gases, medicine, laboratory, corrosive gases, and liquid (W092 model).
- Push & Lock Handle (Drastar patented) prevents the possible change of preset pressure (refer to general information).
- Cleaning : CGA 4.1. and ASTM G-93 for O₂ service / Oil-free.
- Except for high purity gas lines, separate filtering is MUST (gas 7 μ m ~ 15 μ m water 15 μ m ~ 80 μ m) for long life and failure prevention.

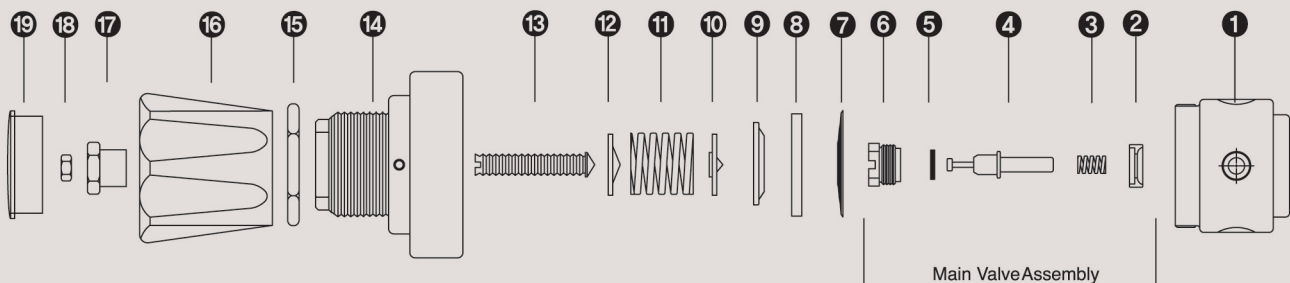
Ordering Information

(W)092 - 0025 L - 1S - 5 - V - H1								
Basic Series	Body Material	Outlet Pressure Range(psi/bar)	Port Type	Flow Capacity Cv	Diaphragm Material	Inlet Pressure Psi(bar)	Self-venting	High Temperature
092	S=316L SS	0025 = 25/1.7	A = 2 ports	1S : 1.0	-316L SS	- 3,000psi (207)	- Non-venting	H1 = 120° C
1/2" NPTF	M=Monel	0050 = 50/3.4	L = 3 ports		Standard		Standard	H2 = 250° C
	D51=STS	0100 = 100/6.9	C = 4 ports		H=Hastelloy	5 = 600(41.4)	V=Self-venting	H3 = 320° C
	DuplexF5+	0200 = 200/13.8	R = 3 ports		C-22		Optional	Optional
	H=HastelloyG	0350 = 350/24.1	M = 4 ports		Optional			
		0500 = 500/34.5*						

* Strikethrough material : To be ready /취소선 소재: 준비 중

- ※ Note : 1) W092 is for liquid and water/ W092모델은 액체용 모델임.
 2) 500psi model must be used for W092 model only (W 모델은 W092 모델로 한정됨)
 3) Push and lock handle is NOT compatible with aluminum control knob (H1, H2, & H3 options) / 푸시 & 락 핸들은 알루미늄손잡이에 적용 불가.

092 SERIES PART LIST



Series Part List (Standard Model)

Item No	Part Name	Part No. & Descriptions
01	Body	092-01-01: 316L SS
02	Main Valve Guide	092-02-01: 316L SS
03	Valve Spring	092-03-01: 316L SS (standard) / 03-02: Hastelloy C-22 (option)
04	Main Valve	092-04-01: 316L SS
05	Valve Seat	092-05-01: Teflon (standard) / 05-02: Polyimide (option)
06	Locking Screw	092-06-01: 316L SS
07	Diaphragm	092-07-01: 316L SS (standard) / 07-02: Hastelloy C-22 (option)
08	Diaphragm Plate	092-08-01: common
09	Back-up Plate	092-09-01: common
10	Spring Plate	092-10-01: common
11	Load Spring	092-11-01: 25psi / 11-02: 50psi / 11-03: 100psi / 11-04: 200psi / 11-05: 350psi / 11-06: 500psi
12	Pivot	092-12-01: common
13	Adjusting Screw	092-13-01: common
14	Bonnet	092-14-01: Brass
15	Panel Mount Nut	092-15-01: Option
16	Control Knob	092-16-01: ABS (standard) / 16-02: Aluminum (option)
17	Locking Nut	092-17-01: common
18	Name Cap	092-18-01: 25psi / 18-02: 50psi / 18-03: 100psi / 18-04: 200psi 18-05: 350psi / 18-06: 500psi