DRA300 SERIES

UHP SPRINGLESS TIED-DIAPHRAGM LOW PRESSURE VCR TYPE



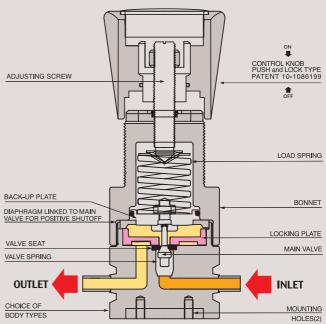




DRA300 SERIES



FUNCTIONAL SCHEMATIC



DRA300(Tied type)

UHP Springless Tied Diaphragm Low Pressure VCR type (1/4" 3/8" 1/2" 3/4")

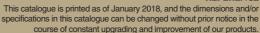
DRA 300 Series is an Springless tied-diaphragm type UHP low pressure reducing regulator with surface finishes to B.A. 25Ra, E.P. 10Ra, or E.P. 5Ra microinch and applicable for gas cabinet for semiconductor manufacturing, specialty gases, valve manifold boxes, and research labs, etc. Inlet pressures are 3,600psig (250bar) or 600psig (42bar) and outlet pressures are from 5psig (0.3bar) up to 250psig (17bar).

With DRASTAR's patented (patent #1086199) "push and lock type handle", you can operate it easily and stably; "locking" by pushing down the handle will prevent any slight change of pre-set pressure value, which could possibly be caused by any vibration from gas pipeline or ambient applications and the other way "unlocking" by pulling it back enables you to adjust the pressure value freely again.

Features and Applications

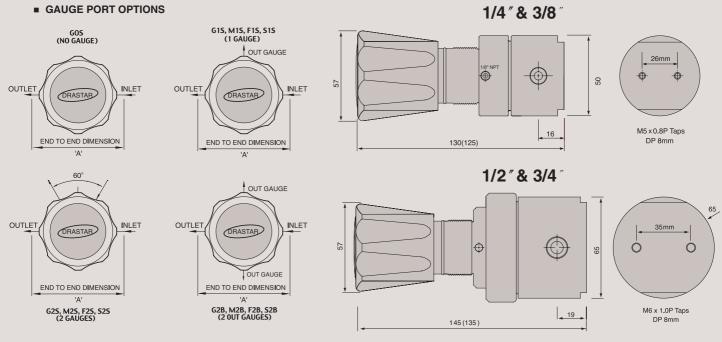
- Springless type VCR regulator: By adopting the "flat- wave-shaped ring spring" (DRASTAR patent #10-1191514) instead of conventional spring, particle generation by spring itself due to fatigue from long-time use can be kept down
- To use more suitably for corrosive gas applications, 316L VAR (double melt VAR) available as optional
- Tied-diaphragm design for positive shut-off and protecting the rupture of diaphragm
- Surfaces finishes to B.A. 25Ra, E.P. 10 Ra or E.P. 5 Ra microinch
- Push and lock type handle (DRASTAR patent #10-1086199) mounted
- Threadless type: enhanced particle prevention by adopting the locking-plate seal system (DRASTAR patent #10-1086199)
- All works of welding, assembly, test and cleaning are performed in class 100 and class 10 clean-rooms
- Design proof pressure: 150% of maximum rated
- Applicable for Semiconductor manufacturing gas line, toxic gases, pyrophoric gases, and high corrosive gases.

Each product is manufactured taking into consideration of the best safety and easy manipulation. However in order to use the regulator in most safe, effective, precise and smooth way and prolong its life time, you are recommended to use the actual pressure within the range of $25\% \sim 75\%$ of its rated pressure.



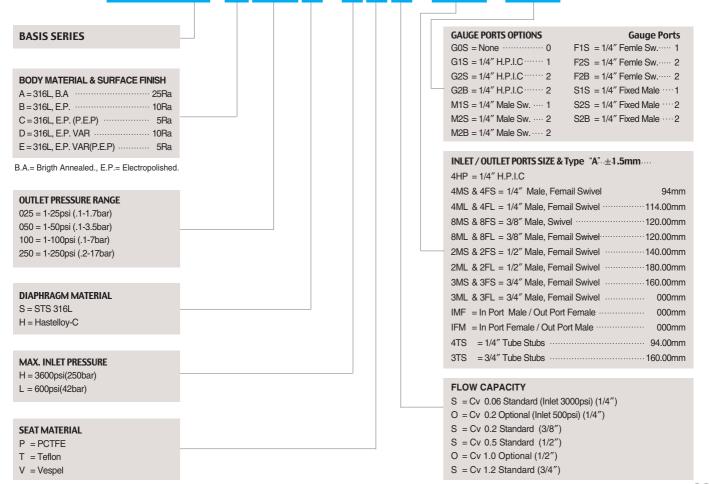






ORDERING INFORMATION

DRA300 - A 025 S - H P S - 4MS - G0S





FLOW CHART

