622 Series Delivery System

The single-body design of the 622 makes it a great choice for start-up installation using twelve-packs or liquid cylinders. The dome loaded seat offers excellent flow capacity, which enables the 622 to transition into a point-of-use regulator of a bulk installation.

Advanced Features
- Up to 4,500 PSIG Inlet Available
  Liquid or high pressure use
- 40-Micron Internal Filter
  Limits possibility of gas contamination
- Optional Wall Mounting Kit
  Maintains flow capacity
- Right and Left Hand Inlets Available
  Flexible installation options

Applications
Assist Gases from Cryogenic Supply
Nitrogen and Oxygen
(Use low inlet models for MVE Laser-Cyl™, TW™ VHP liquid cylinder*, MVE Trifecta™, CTR Laser Maid™, and TW™ Laser Pak Systems)
*Requires optional external ambient air vaporizers for maximum flow capacity.

Assist Gases from High Pressure Supply
Nitrogen and Oxygen
(Use high inlet models with “Gas Paks”, cradles, and tube trailers)

Materials
Delivery Regulator
Brass barstock body and bonnet
PTFE seat* or PCTFE seat†
PTFE and Viton® (internal)

Pilot Regulator
Brass barstock body and bonnet
PTFE seat* or PCTFE seat†
PTFE and Viton® (internal)

Tubing and Tube Fittings
316L stainless steel

Pressure Gauges (PSIG/BAR Dual Scale)
- Brass (Socket)
- Bronze (Bourdon tube)
- Brass (Case)

Specifications
Maximum Inlet Pressure
- 600 PSIG (42 BAR)
- 3,000 PSIG (210 BAR)
- 4,500 PSIG (310 BAR)

Temperature Range
-40 to 140°F (-40 to 60°C)

Maximum Flow (Nitrogen)
5,200 SCFH (2454 lpm)

Inlet Connection
½” FPT

Outlet Connection
½” FPT

Weight
5.4 lbs. (3.5 kg)

* 3,000 PSIG (208 BAR) inlet
†4,500 PSIG (310 BAR) inlet
Flow Performance Curves

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Related Options

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