

623 Series Delivery System

Laser Purity

Low or High Pressure Capabilities

Dome-Load Design



IMPROVED NEW VERSION!

CONCOA has added new delivery models equipped to handle the higher gas pressure requirements of today's lasers to its successful 623 Series.

These new additions have increased inlet and outlet pressure capabilities, and are suitable for assist and process gases. The dome-loaded balanced stem seat design ensures constant delivery flow and pressure.

Advanced Features

- *Integral Line Regulator*
Adjustable Pressure Ranges
(0-500/35 & 0-750/52 PSIG/BAR)
- *High Flow Delivery Regulator*
ISOFLOW™ Seat Design
- *Variable Line Pressure*
Line pressure adjustable on site
- *Internal Filtration - 40 Micron*
Limits Possibility of Gas Contamination
- *Wall Mounting Bracket*
Easy Installation
- *Right & Left Hand Inlets Available*
Flexible Installation Options

Materials

Specifications

Delivery Regulator

Brass barstock body and bonnet
PTFE Teflon® seat
(Up to 3000PSIG/208 BAR)
Kel-F® seat
(Up to 4500PSIG/310 BAR)
PTFE Teflon® internal seals

Pilot Regulator

Brass barstock body and bonnet
PTFE Teflon® seat
(Up to 3000PSIG/208 BAR)
Kel-F® seat
(Up to 4500PSIG/310 BAR)
PTFE Teflon® internal seals

Tubing and Tube Fittings

316 stainless steel

Pressure Gauges

Brass (socket)
Bronze (Bourdon tube)
Stainless steel (case)

Dual Scale

PSIG/BAR

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Maximum Flow (Nitrogen)

6000 scfh (2830 lpm)

Inlet Connection

½" FPT

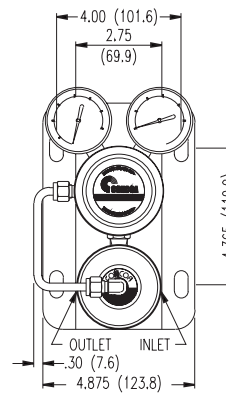
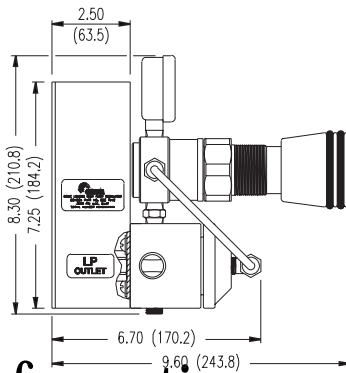
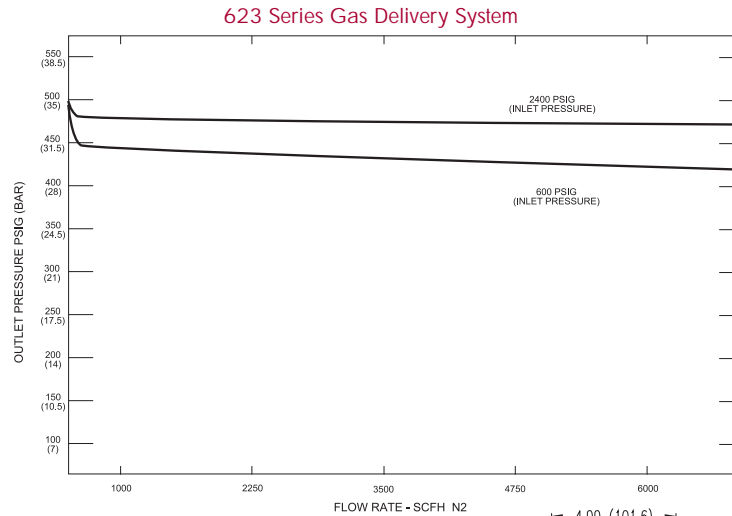
Outlet Connection

½" FPT

Weight

12.6 lbs.

Flow Performance Curves



Ordering Information

623-	A	B	C	D	-CGA
Series 623	Outlet Pressure 5: 0-500 PSIG (35BAR) 7: 0-750 PSIG (52BAR)	Inlet Connection 0: ½" FPT Port 1: ½" Compression Tube 2: Diaphragm Valve with ½" FPT 3: Diaphragm Valve with ½" Comp. Tube 4: 36" Pigtail 5: Diaphragm Valve with 36" Pigtail 6: 72" Pigtail 7: Diaphragm Valve with 72" Pigtail	Outlet Connection 0: ½" FPT Port 1: ½" Compression Tube 2: Diaphragm Valve with ½" FPT 3: Diaphragm Valve ½" Tube	Assembly Orientation 0: RH Inlet 600 PSIG/41 BAR 1: LH Inlet 600 PSIG/41BAR 2: RH Inlet 3000 PSIG/208BAR 3: LH Inlet 3000 PSIG/208 BAR 4: RH Inlet 4500 PSIG/310 BAR** 5: LH Inlet 4500 PSIG/310 BAR**	*Fittings Available

* International Fittings Available **Diaphragm Valve Not Available

Related Options

Option	Order No.	Description
Cryogenic Liquid Hoses	529-XXXX	Supply Liquid Gas to Vaporizers
Tube Trailer Hoses	529-XXXX	Connection From High Pressure Tube Trailer to Gas Delivery System
Vaporizer	550-XXXX	Vaporizer Specifically Designed for Use with the 623 Gas Delivery System (600 PSIG/41 BAR Rating)