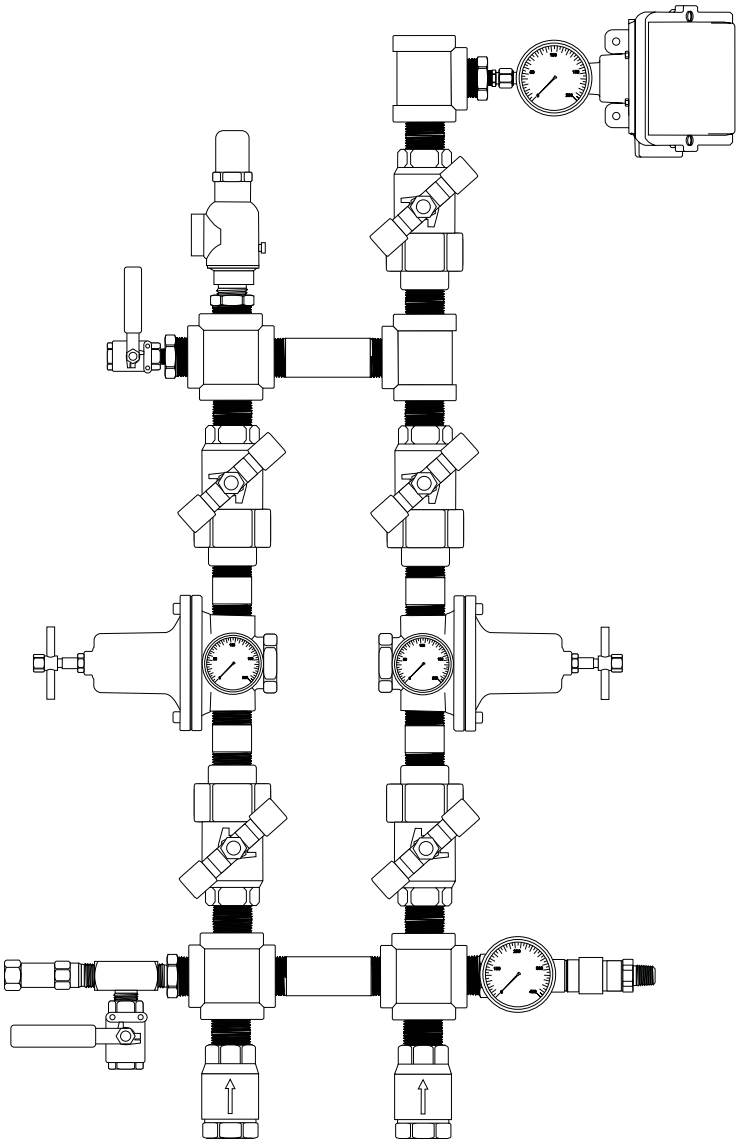
DLRA400 Series

Dual Line Regulator Assemblies for Medical Gas Pipelines - 1" NPS (Heavy Duty / High Flow)

SPECIFICATION



NFPA 99 Compliant

Key Features

Engineered Design
Maximum safety and reliability

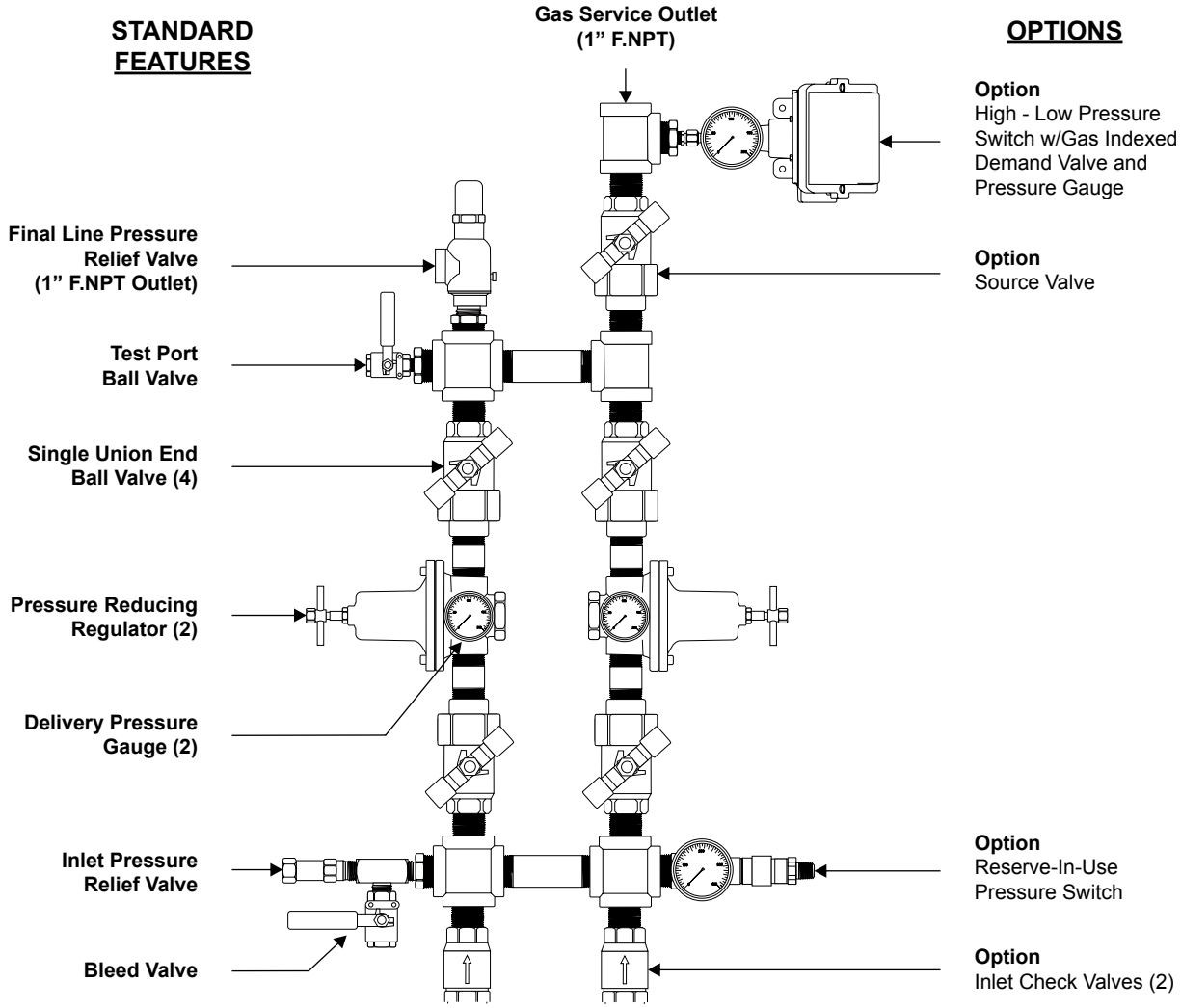
Premium Quality Regulators
High flow, heavy duty regulators for peace-of-mind supply

Fabricated Assembly Ships Complete
Easy system installation and no complicated field assembly

Standardized Components
All items are the same from one assembly to the other

Cleaned for Oxygen Service
Complies with CGA standards

Equipment Overview



Ordering Information

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Gas	Inscribe
Air	CGA 346
Carbon dioxide	CGA 320
Nitrogen	CGA 580
Nitrous Oxide	CGA 326
Oxygen	CGA 540

Normal Pipe Size	Inscribe
1" NPS	1

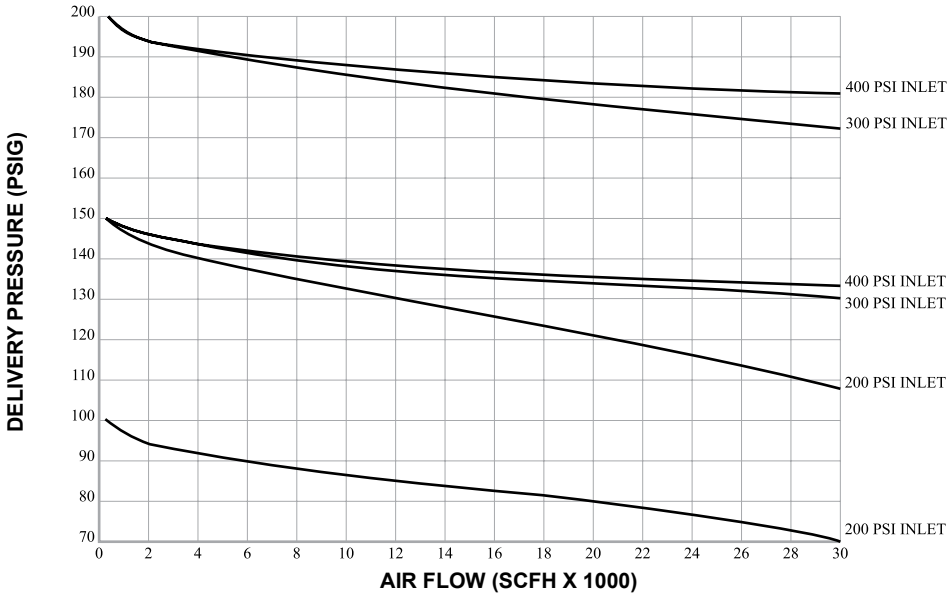
Options	Inscribe
Hi-Low Pressure Switch	HLPS
Reserve In Use Pres. Switch	RIUPS
Inlet Check Valves	ICV
Source Valve	SV

Relief Valve Set Pressure	Inscribe
From 10 PSIG to 300 PSIG	Set Pressure

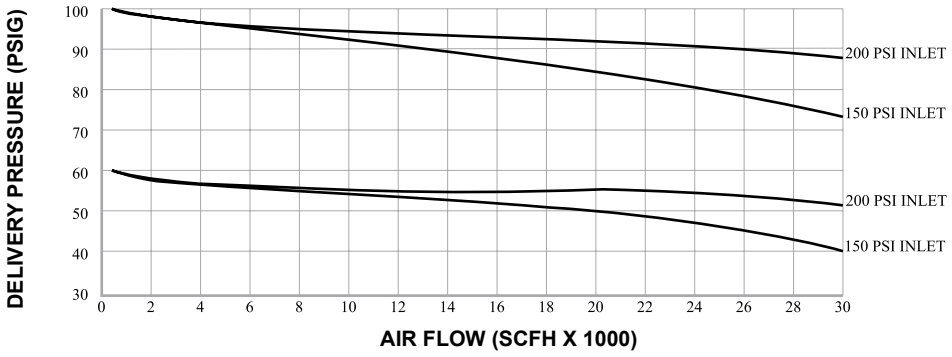
	Inscribe
5-55 PSIG	55
10-110 PSIG	110
100-200 PSIG	200

Flow Capacity

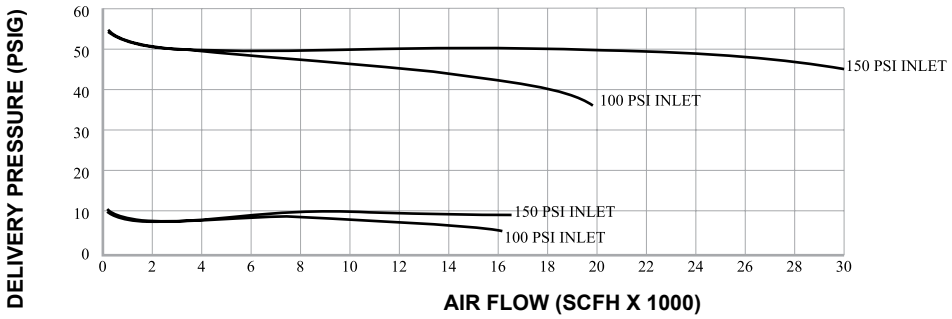
100-200 PSIG SPRING RANGE



40-110 PSIG SPRING RANGE

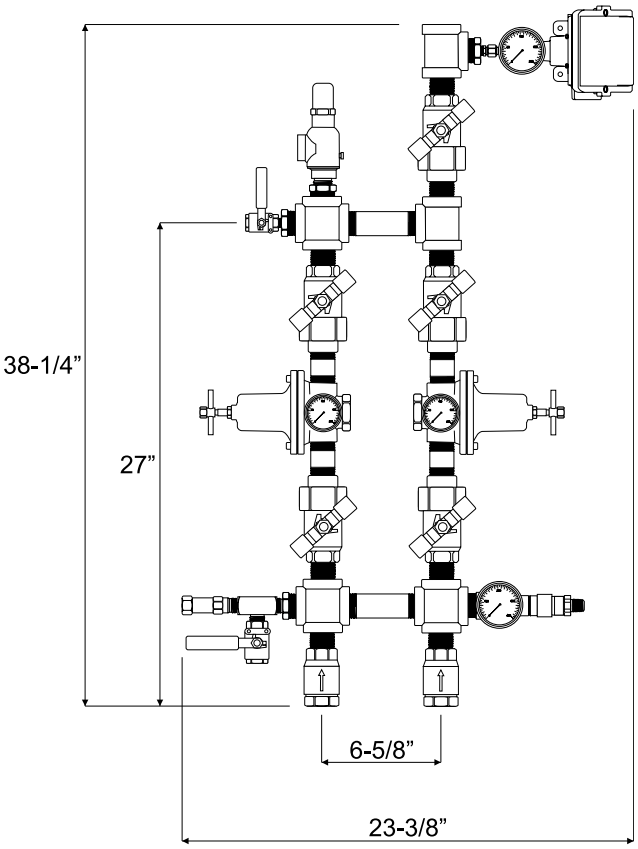


5-55 PSIG SPRING RANGE



Our policy is one of continuous research and development. We reserve the right to modify without notice the specifications given in this document.

Dimensions



Specifications

Service Fluids	Refer to part number matrix
Maximum Inlet Pressure	400 PSIG
Flow	See flow capacity charts
Pipe Size	1” NPS

Materials (Standard Parts Only)

Pipe	Brass, ASTM B43, ASTM B687-99
Fittings	Brass ANSI B1.20.1 - ANSI B16.15 - ASTM B584
Ball Valves	Lever and grip: steel, zinc plated w /vinyl - stem packing: RPTFE - Stem bearing: RPTFE - Ball: B16, chrome plated - Seat (2): RPTFE - Retainer B16 - gland nut: B16 - stem: B16 - Lever nut: steel, zinc plated - body seal: PTFE - tailpiece: B16 - union nut: B16 - Union seal: Fluorocarbon
Pipeline Relief Valve	Shell: cast bronze ASME SB-62 - base: forged brass C37700 - trim: copper alloy - Trim: stainless steel 17-7 PS ASTM A-313, type 631
Inlet Relief Valve	Shell: cast bronze ASME SB-62 - base: forged brass C37700 - trim: copper alloy - Trim: stainless steel 17-7 PS ASTM A-313, type 631
Regulators	Body: Forged Brass - Bonnet: Nickel-Plated Aluminum - Diaphragm: Nitrile with PTFE Liner Springs & Fasteners: Stainless Steel - Other Valve Parts” Brass - Seat Disc & O-Rings: Viton

BeaconMedæs
1800 Overview Drive
Rock Hill, SC 29730
Phone: (803) 817-5600
Fax: (803) 817-5750
www.beaconmedaes.com