



**Dual Line Regulator Assemblies for Medical Gas Pipelines
(Medium Duty/Medium Flow)**

SPECIFICATION

Key Features

Engineered Design

Maximum safety and reliability

Premium Quality Construction

1/2" NPS construction, silver brazed joints, helium leak tested before shipping

Fabricated Assembly Ships Complete

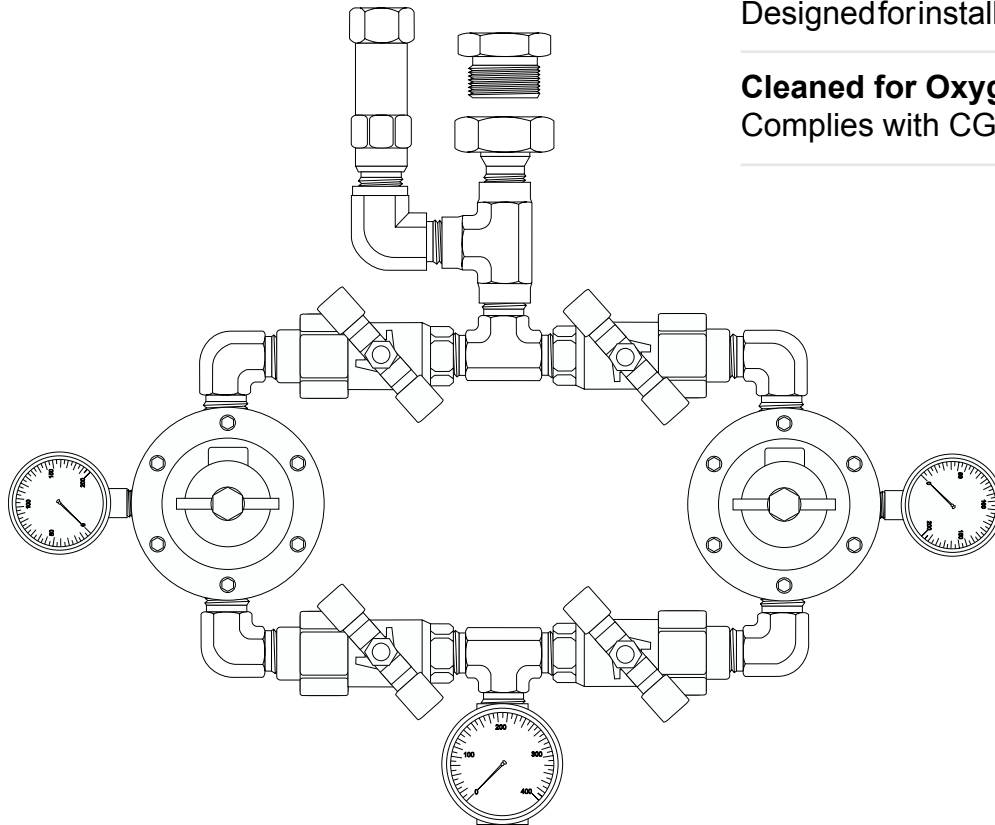
Easy system installation and no complicated field assembly

Compact design

Designed for installation in confined spaces

Cleaned for Oxygen Service

Complies with CGA standards



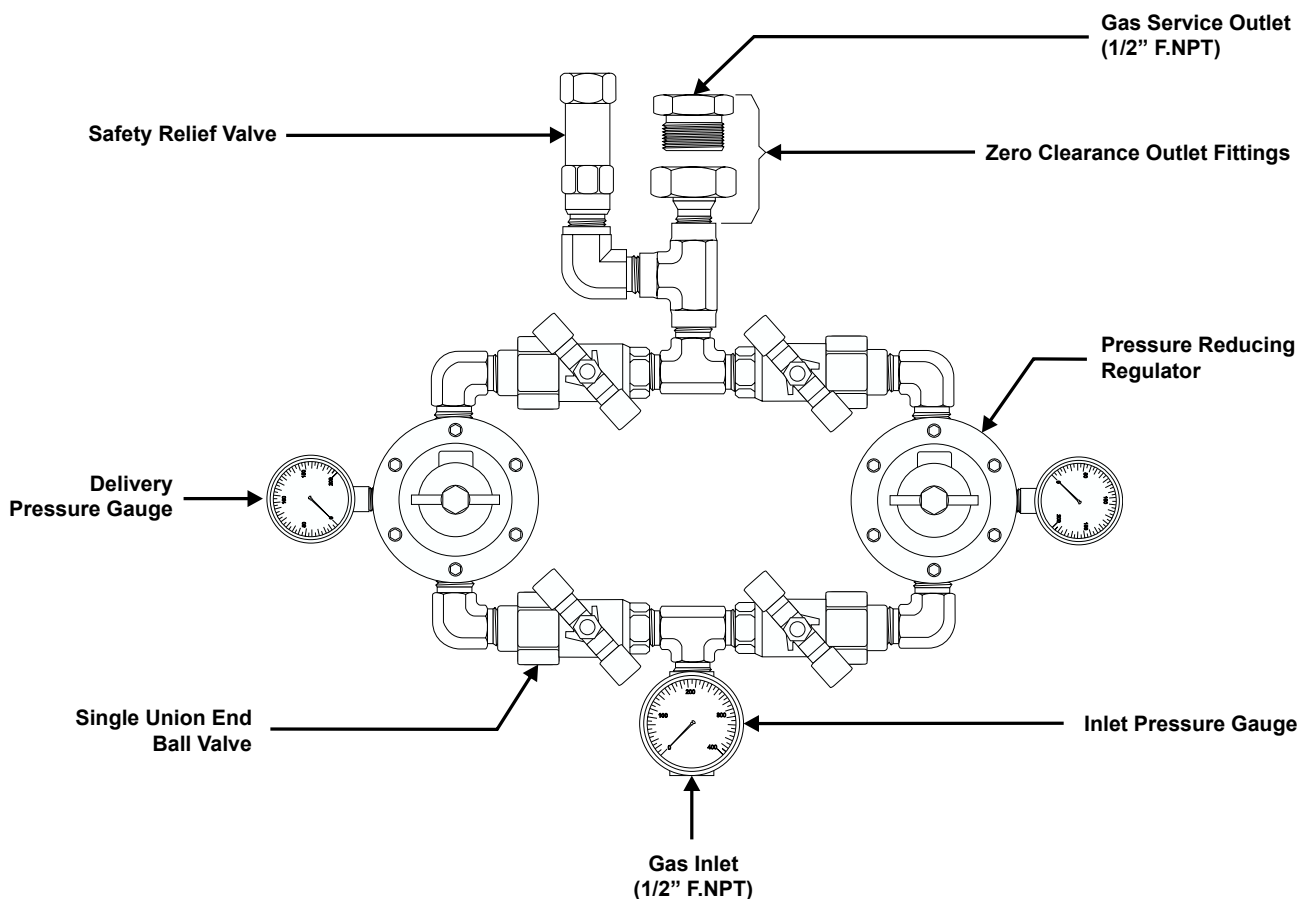
NFPA 99 Compliant

Description

BeaconMedæS DLRA500 Series dual line regulator assemblies are designed for use in medical piping systems to meet NFPA 99 requirements. The dual line regulator assembly is intended for use with medical air, oxygen, nitrous oxide, nitrogen and carbon dioxide gases.

The inlet pressure gauge indicates the incoming pressure to the equipment. The two line regulators can be put in service alternatively or simultaneously. The four zero clearance ball valves allow for isolation of each line regulator (two valves per regulator). The pipeline is protected by a safety relief valve. The zero-clearance outlet fittings allow for easy installation or removal of the unit.

Equipment Overview



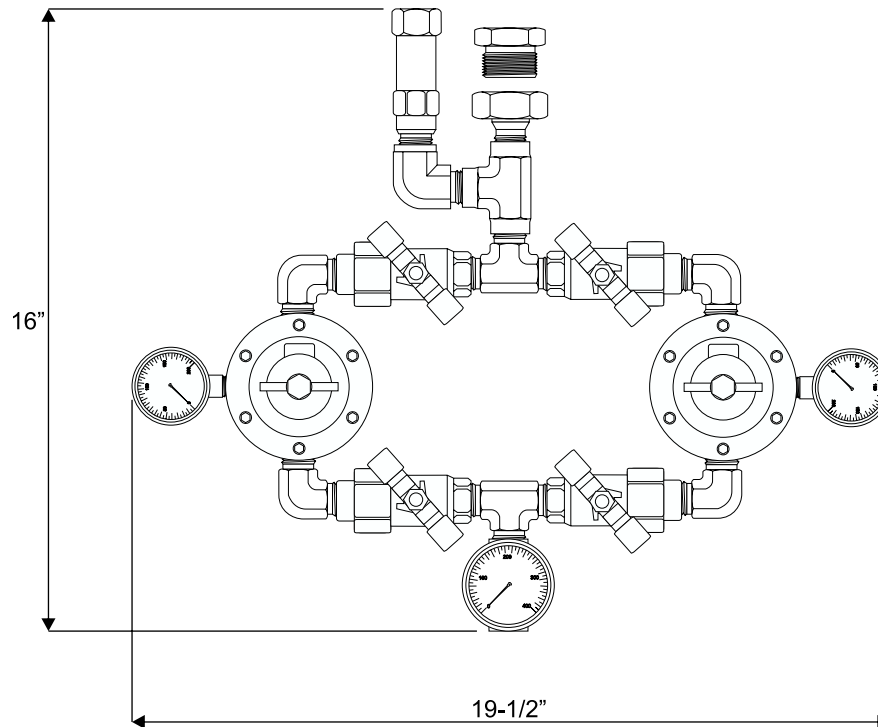
Specifications

Gas	Refer to part number matrix	Relief Valve Pressure	Refer to part number matrix
Maximum Inlet Pressure	500 PSIG	Inlet Connection	½" F.NPT
Power Requirement	None	Outlet Connection	½" F.NPT
Flow	Cv = 2.9	Inlet Gauge	0-400 psig, 2"-dial
Operating Temperature	-40°F to + 100°F	Outlet Gauges	0-200 psig, 2"-dial
Outlet Pressure	Refer to part number matrix	Pipe Size	1/2" NPS

Materials

Fittings	Brass: B16 & CDA 377
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
Relief valves	Body, Seat Retainer: brass ASTM B16 - Adjusting Screw, Springs: stainless steel 316 - Disc: PTFE

Dimensions



Ordering Information

DLRA500 - [] - 1/2" - [] - []

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

Normal Pipe Size	Inscribe
1/2"	1/2

Relief Valve Set Pressure	Inscribe
For Air, CO ₂ , N ₂ O, O ₂	75
For N ₂	175
Other	Specify

Delivery Pressure	Inscribe
5-55 psig	55
50-100 psig	100
125-225 psig	225