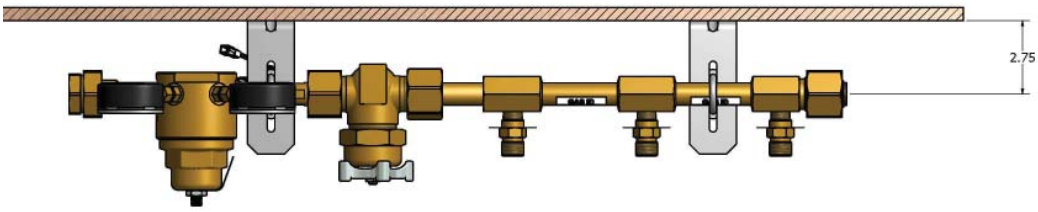
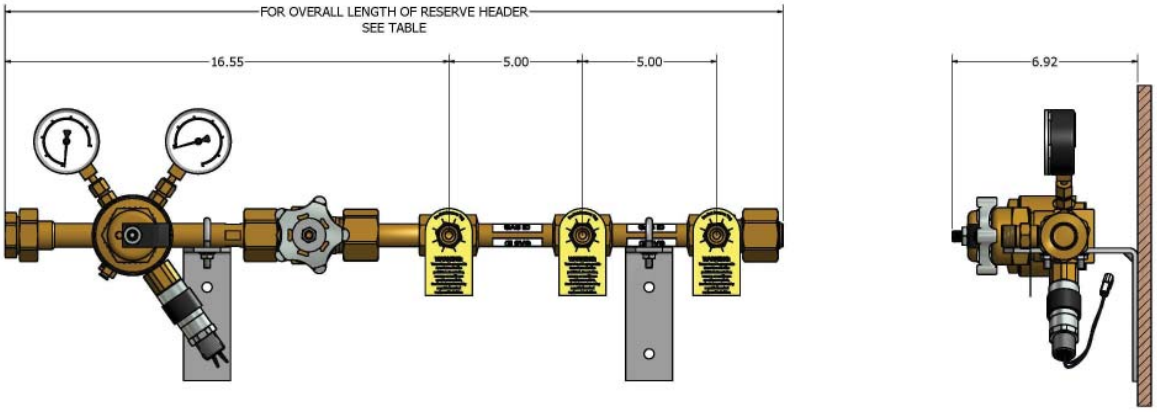
High Pressure Reserve Assembly for LQ × LQ and LQ × HP Lifeline Manifolds

SPECIFICATION

High Pressure Reserve Assembly

The BeaconMedæs **Lifeline®** high pressure reserve assembly accommodates multiple high pressure cylinders with an uninterrupted, reliable supply of gas whenever activated. A high-flow regulator is provided to regulate the cylinder pressure for either “LQ x LQ” or “LQ x HP” manifold reserve pressure applications. The reserve assembly includes high-pressure modular header assemblies with gas specific pigtail-to-header check valves to permit changing of cylinders without gas leakage. Stainless steel flexible pigtails are provided for each cylinder gas connection, except for O_2, ISN_2O, He, ISAIR and ISINT which are provided with rigid copper pigtails. A bleed valve is also present for servicing needs. A pressure switch is provided to connect the manifold to signal the master gas alarm system when the reserve supply is reduced below a factory suggested minimum pressure. A master shutoff valve fabricated with metallic seating surfaces is utilized to isolate the reserve assembly from the system during service and repairs. The reserve assembly outlet is a ½” FNPT "O"-ring sealed “zero clearance” union.





Note: This reserve header must be piped and wired to the manifold. It is not suitable for stand alone operation.

Reserve Header Length																
No. of HP Reserve Cylinders	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Overall Length (Inches)	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	104

Ordering Information

RH___ - ____- ____ - ____
A B C D

BeaconMedæs Reserve Header Parent Model Number Chart			
Variable	**Definition**	**Allowable Value**	**Description**
A	**Language**	E FS S	English French/Spanish Spanish **(Air & N_2O Only)
B	**No. of Reserve Cylinders**	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	3 cylinder reserve 4 cylinder reserve 5 cylinder reserve 6 cylinder reserve 7 cylinder reserve 8 cylinder reserve 9 cylinder reserve 10 cylinder reserve 11 cylinder reserve 12 cylinder reserve 13 cylinder reserve 14 cylinder reserve 15 cylinder reserve 16 cylinder reserve 17 cylinder reserve 18 cylinder reserve
C	**Gas**	O_2 N_2O AIR N_2 IAIR* CO_2 CO_2O_2* O_2CO_2* HEO_2* O_2HE* HE* AR ISAIR ISINT* ISN_2O	Oxygen Nitrous Oxide Medical Air Nitrogen Instrument Air Carbon Dioxide Carbon Dioxide-Oxygen (CO_2 > 7%) Oxygen-Carbon Dioxide (CO_2 < 7%) Helium-Oxygen (He > 80%) Oxygen-Helium (He < 80%) Helium Argon ISO Medical Air ISO Instrument Air ISO Nitrous Oxide
D	**Electronics**	S T	Standard Total Alert Embedded

**** Available as a special offer***

***** Flexible pigtails supplied for these gases (N_2O & Air).***

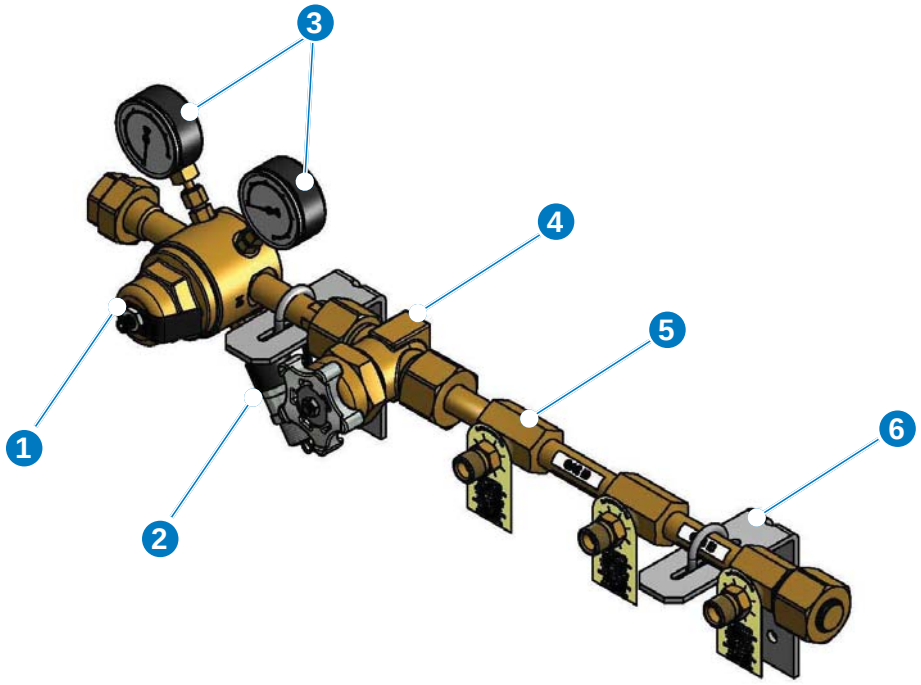
Example: RESERVE HEADER ENGLISH 8 CYLINDER OXYGEN STANDARD ELEC
Example Model Number: RHE-8-O2-S

Example: RESERVE HEADER FRENCH 4 CYLINDER ISO AIR TAE ELEC
Example Model Number: RHFS-4-ISAIR-T

Example: RESERVE HEADER SPANISH 6 CYLINDER NITROGEN TAE ELEC
Example Model Number: RHFS-6-N2-T

Example: RESERVE HEADER SPANISH 10 CYLINDER AIR STD ELEC
Example Model Number: RHS-10-AIR-S

Standard Configuration



1. *Reserve regulator is a single-stage diaphragm type regulator used to reduce incoming cylinder content pressure to a lower intermediate pressure.*
2. *Pressure Switch is an adjustable, single pole switch that is connected to the reserve regulator to monitor pressure in the bank of cylinders. Pressure Transducer (only available on TAE models) monitors pressure in the bank of cylinders and is connected to the reserve regulator. The pressure transducer has a range of 0-3000 psi.*
3. *High quality inlet and outlet pressure gages, providing lasting service in normal operating conditions*
4. *Multi-turn high pressure master valve allowing flow from cylinders to be shut off.*
5. *Header Bar with gas specific check valve CGA connection.*
6. *Header bracket to securely mount header to wall*

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