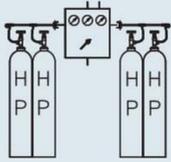
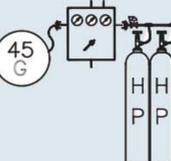
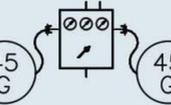
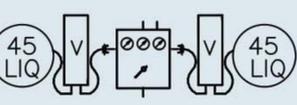
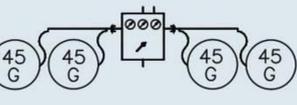




Oxygen Supply Systems

Need an oxygen service but cannot have a bulk tank?

PCCI Hyperbaric Systems can provide code compliant oxygen service solutions for most situations. PCCI has vast experience in design & construction of oxygen supply systems that support multiple monoplance or multiplace chambers. PCCI provides turn-key installation services including obtaining permits from governing authorities, development of hyperbaric facility plans and comprehensive management of installations & commissioning.

| Oxygen Service Model Number | Manifold Model Number | External Vaporizers | General Set-up | Flow Capacity (SCFM) | | Oxygen Capacity Gallons (SCF) | | Space Required (Sq Feet) Note 4 | | Applicable Rules Note 1 | Applications |
|-----------------------------|-------------------------|---------------------|---|----------------------|--------------|-------------------------------|-----------|---------------------------------|-------------|-------------------------|---|
| | | | | Cont. Note 4 | Surge Note 2 | Primary | Secondary | Minimum | Recommended | | |
| 1K700 | Western (HP Series) | No |  | 11 | 11 | - (500) | - (500) | 18 | 30 | NFPA-99 Chapter 14 | <u>Monoplace:</u> 1 patient breathing service <u>Multiplace:</u> Up to 2 patient circuits |
| 5K350 | Western (Liquid Series) | No |  | 5.8 | 11 | 45 (4500) | - (500) | 24 | 48 | NFPA-99 Chapter 14 | <u>Monoplace:</u> 1 patient breathing service <u>Multiplace:</u> Up to 3 patient circuits |
| 9K350 | Western (Liquid Series) | No |  | 5.8 | 11 | 45 (4500) | 45 (4500) | 24 | 48 | NFPA-99 Chapter 14 | <u>Monoplace:</u> 1 patient breathing service <u>Multiplace:</u> Up to 3 patient circuits |
| 9K750 | Western (Liquid Series) | Yes |  | 11 | 11 | 45 (4500) | 45 (4500) | 32 | 80 | NFPA-99 Chapter 14 | <u>Monoplace:</u> 1 oxygen ventilation chamber <u>Multiplace:</u> Up to 6 patient circuits |
| 18K700 | Western (Liquid Series) | No |  | 11 | 11 | 90 (9000) | 90 (9000) | 40 | 80 | NFPA-99 Chapter 14 | <u>Monoplace:</u> 1 oxygen ventilation chamber <u>Multiplace:</u> Up to 6 patient circuits |

NOTES:

1. NFPA-99 Ch. 14: Hyperbaric facility use only. NFPA-99 Ch. 4: Meets requirements for general purpose "Health Care Facility".
2. Surge ratings apply to time periods of less than 1 minute duration.
3. Continuous ratings are based on assumed duty cycle of not more than 10 hrs/day. Larger vaporizers required for 24/7 service applications.
4. Figures listed are estimated only. It's recommended to include allowances for adequate access. Actual requirements may be affected by local site conditions.
5. Cylinders are not included. If needed, cylinders are available for purchase separately.



Portable high pressure cylinder



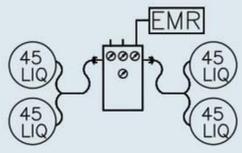
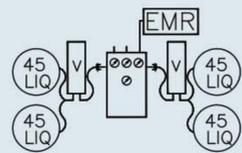
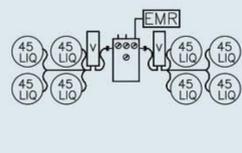
Portable liquid cylinder using gas outlet
45 gallon capacity



Portable liquid cylinder using liquid outlet
45 gallon capacity



External vaporizer

| Oxygen Service Model Number | Manifold Model Number | External Vaporizers | General Set-up | Flow Capacity (SCFM) | | Oxygen Capacity Gallons (SCF) | | Emergency Reserve Supply (SCF) | Space Required (Sq Feet) | | Applicable Rules Note 1 | Applications |
|-----------------------------|-----------------------|---------------------|---|----------------------|--------------|-------------------------------|-------------|--------------------------------|--------------------------|--------------------|--------------------------------------|---|
| | | | | Cont. Note 4 | Surge Note 2 | Primary | Secondary | | Minimum | Note 4 Recommended | | |
| 19K700 | PCCI (MHC1) | No |  | 11 | 50 | 90 (9000) | 90 (9000) | 1000 | 50 | 80 | NFPA-99 Chapter 14 Chapter 5 | <u>Monoplace:</u> 1 oxygen ventilation chamber <u>Multiplace:</u> Up to 6 patient circuits <u>General:</u> Clinic and small hospitals |
| 20K1000 | PCCI (MHC1) | Yes |  | 33 | 50 | 90 (9000) | 90 (9000) | 2000 | 50 | 80 | NFPA-99 Chapter 14 Chapter 5 | <u>Monoplace:</u> Up to 2 oxygen ventilation chambers <u>Multiplace:</u> Up to 16 patient circuits <u>General:</u> Clinic and small hospitals |
| 39K1500 | PCCI (MHC1-ULTRA) | Yes |  | 50 | TBD | 180 (18000) | 180 (18000) | 3000 | 70 | 100 | NFPA-99 Chapter 14 Chapter 5 NFPA-50 | <u>Monoplace:</u> 3-4 oxygen ventilation chambers <u>Multiplace:</u> Up to 24 patient circuits <u>General:</u> Larger hospitals |

NOTES:

1. NFPA-99 Ch. 14: Hyperbaric facility use only. NFPA-99 Ch. 4: Meets requirements for general purpose "Health Care Facility".
2. Surge ratings apply to time periods of less than 1 minute duration.
3. Continuous ratings are based on assumed duty cycle of not more than 10 hrs/day. Larger vaporizers required for 24/7 service applications.
4. Figures listed are estimated only. It's recommended to include allowances for adequate access. Actual requirements may be affected by local site conditions.
5. Cylinders are not included. If needed, cylinders are available for purchase separately.



Emergency reserve oxygen supply (HP bottles)



Portable liquid cylinder using liquid outlet 45 gallon capacity



External vaporizer

| Oxygen Service Model No. | Components included in Kit (Notes 1 & 2) |
|--------------------------|---|
| 1K700 | Western HP Series manifold complete with external power supply and dual 2-bottle supply headers with pigtails. A discharge line isolation valve (source shut-off valve per NFPA rules), discharge line relief valve (75 psig std) with all the necessary fittings and a set of NFPA required signage. |
| 5K350 | Western LC Series manifold complete with external power supply, 6' long CGA-540 low-pressure gas hose and 2-bottle HP reserve headers with pigtails and a step-down pressure regulator. A discharge line isolation valve (source shut-off valve per NFPA rules), discharge line relief valve (75 psig std) with all the necessary fittings and a set of NFPA required signage. |
| 9K350 | Western LC Series manifold complete with external power supply and two 6' long CGA-540 low-pressure gas hoses. A discharge line isolation valve (source shut-off valve per NFPA rules), discharge line relief valve (75 psig std) with all the necessary fittings and a set of NFPA required signage. |
| 9K750 | Western LC Series manifold complete with external power supply, two 6' long CGA-540 cryogenic gas hoses, two external vaporizers (PCCI size 1), six CGA-440 low-pressure cryogenic liquid hoses and all necessary interconnecting fittings. A discharge line isolation valve (source shut-off valve per NFPA rules), discharge line relief valve (75 psig std) with all the necessary fittings and a set of NFPA required signage. |
| 18K700 | Western LC Series manifold complete with external power supply and hoses for connecting two sets of dual portable liquid oxygen cylinders. A discharge line isolation valve (source shut-off valve per NFPA rules), discharge line relief valve (75 psig std) with all the necessary fittings, a set of NFPA required signage and a set of restraints for four liquid oxygen cylinders. |
| 19K700 | PCCI Model MHC1 manifold complete with four 6' long CGA-540 cryogenic gas hoses, two 4' long CGA-440 cryogenic liquid hoses and a 4-bottle HP emergency reserve header with a pressure switch and pigtails. A discharge line isolation valve (source shut-off valve per NFPA rules), discharge line relief valve (75 psig std) with all the necessary fittings, a set of NFPA required signage, HP bottle restraints (1 row x 4 bottle format) and a set of restraints for four liquid oxygen cylinders. |
| 20K1000 | PCCI Model MHC1 manifold complete with two 6' long CGA-540 cryogenic gas hoses, two external vaporizers (PCCI size 2), two PCCI liquid cylinder connection centers, ten cryogenic liquid hoses with all the necessary fittings. An 8-bottle HP emergency reserve header with a pressure switch and pigtails. A discharge line isolation valve (source shut-off valve per NFPA rules), discharge line relief valve (75 psig std) with all the necessary fittings, a set of NFPA required signage, HP bottle restraints (2 row x 4 bottle format) and a set of restraints for four liquid oxygen cylinders. |
| 39K1500 | PCCI Model MHC1 oxygen manifold complete with two 6' long CGA-540 cryogenic gas hoses, two external vaporizers (PCCI size 3), four PCCI liquid cylinder connection centers, 20 cryogenic liquid hoses with all the necessary fittings. A 12-bottle HP emergency reserve header with a pressure switch and pigtails. A discharge line isolation valve (source shut-off valve per NFPA rules), discharge line relief valve (75 psig std) with all the necessary fittings, a set of NFPA required signage, HP bottle restraints (2 row x 6 bottle format) and a set of restraints for eight liquid oxygen cylinders. |

NOTES:

- Standard description assumes an oxygen service application. Standard connection fittings for typical gases in accordance with US rules are as listed below. For locations outside the US different fittings may be required. If so, please specify when ordering.

| Service | Liquid Cylinder Gas Outlet | Liquid Cylinder Liquid Outlet | Liquid Cylinder Vent Outlet | HP Cylinder Gas Outlet | Manifold Bank Inlet |
|----------|----------------------------|-------------------------------|-----------------------------|------------------------|---------------------|
| Oxygen | CGA-540 | CGA-440 | CGA-440 | CGA-540 | CGA-540 |
| Nitrogen | CGA-580 | CGA-295 | CGA-295 | CGA-580 | CGA-580 |
| Argon | CGA-580 | CGA-295 | CGA-295 | CGA-580 | CGA-580 |

- All cylinder restraints are designed for wall mounting. Wall's strength must be sufficient for local seismic requirements.