

TCS Series Oxygen Cascade Transfilling Systems



TCS-100 Manifold System Shown without Included High Pressure Stainless-Braided Source Gas Cylinder Hose Connections and Destination Cylinder Fill Whips.

- Multiple H-Cylinder Supply Manifold Header with Master Shut Off Valve. 2ft High-Pressure Stainless-Braided Hose Assemblies with CGA-540 Hand-Tight End Connections for each cylinder.
- High Pressure Diaphragm Style Oxygen Regulator with 200-4000 PSI delivery range.
- Inline Pressure Restrictor Valves and Filter Scrubbers with individual pressure gauges on each fill line. TCS System fill rates are safety pressure limited to 3.3 cu. ft. per minute.
- Duplex Manifold drop with bifurcated separately controlled outlets:
 - One 2 ft. High Pressure Stainless-Braided hose with CGA-870 Yoke end connection for filling D and E cylinders
 - One 20 ft. High Pressure Stainless-Braided hose with CGA-540 Hand tight end connection for filling onboard M cylinders ONBOARD!
- System Safety Venting Valve
- Pre-assembled and ready for installation.
- "L" Style wall mounting brackets with Header Manifold U-Clamps
- Larger and /or smaller capacity supply manifold and outlet systems available.

All header manifolds are of a single unit design manufactured from 1/2" yellow CDA-360 brass pipe with precision extruded bar stock tees, elbows and crosses. Oxygen cleaned to CGA-G4.1 Specifications.



*Flotec... Regulators-Flow Meters
Multitorr Manifolds-Cylinders
Hose Assemblies-Integrated (IVR)
Systems- Cascade Transfill Systems
Flotec.. You're Solution!*

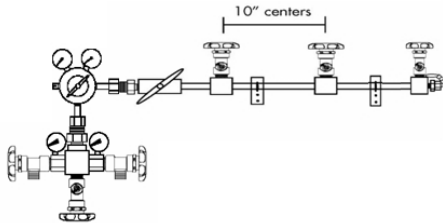
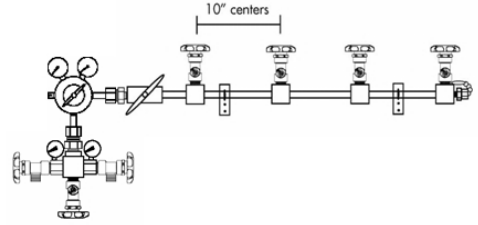


TCS SERIES OXYGEN CASCADE TRANSFILLING SYSTEMS

TCS-100

4 in x 2 out

4-Cylinder Supply Inlet Manifold w/ 2ft. CGA-540 Nut & Nipple Connections
 20 ft. CGA-540 Nut & Nipple Hand-Tight Fill Whip (H and M Cylinder)
 2 ft. CGA-870 Yoke Fill Whip (D and E Cylinder)



3 in x 2 out

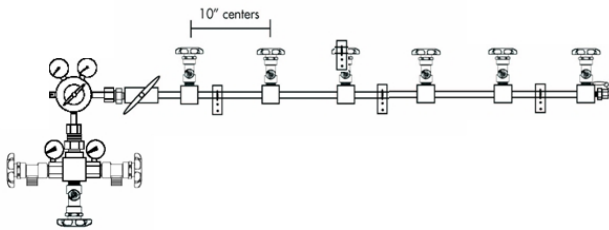
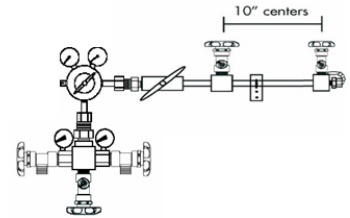
TCS-132

3-Cylinder Supply Inlet Manifold w/ 2ft. CGA-540 Nut & Nipple Connections
 20 ft. CGA-540 Nut & Nipple Hand-Tight Fill Whip (H and M Cylinder)
 2 ft. CGA-870 Yoke Fill Whip (D and E Cylinder)

TCS-122

2 in x 2 out

2-Cylinder Supply Inlet Manifold w/ 2ft. CGA-540 Nut & Nipple Connections
 20 ft. CGA-540 Nut & Nipple Hand-Tight Fill Whip (H and M Cylinder)
 2 ft. CGA-870 Yoke Fill Whip (D and E Cylinder)



6 in x 2 out

TCS-162

6-Cylinder Supply Inlet Manifold w/ 2ft. CGA-540 Nut & Nipple Connections, 20 ft. CGA-540 Nut & Nipple Hand-Tight Fill Whip (H and M Cylinder) 2 ft. CGA-870 Yoke Fill Whip (D and E Cylinder)



OXYGEN CYLINDER FILL POT

3003 H-22 Tread Plate Aluminum with 1/2" Solid 6061-T6511
 Extruded Seamless Aluminum Inner Shell.
 Wall Mountable.



TCS-FP1

TCS-FP2

All TCS Systems include Master Shutoff Valve, Pressure Reducing Regulator, Filter Scrubbers, Pressure Limiters, System Venting Valve, Stainless-Braided High Pressure Whip Connection Hoses, Wall Mounting "L" Brackets and Manifold Securing U-Clamps.

