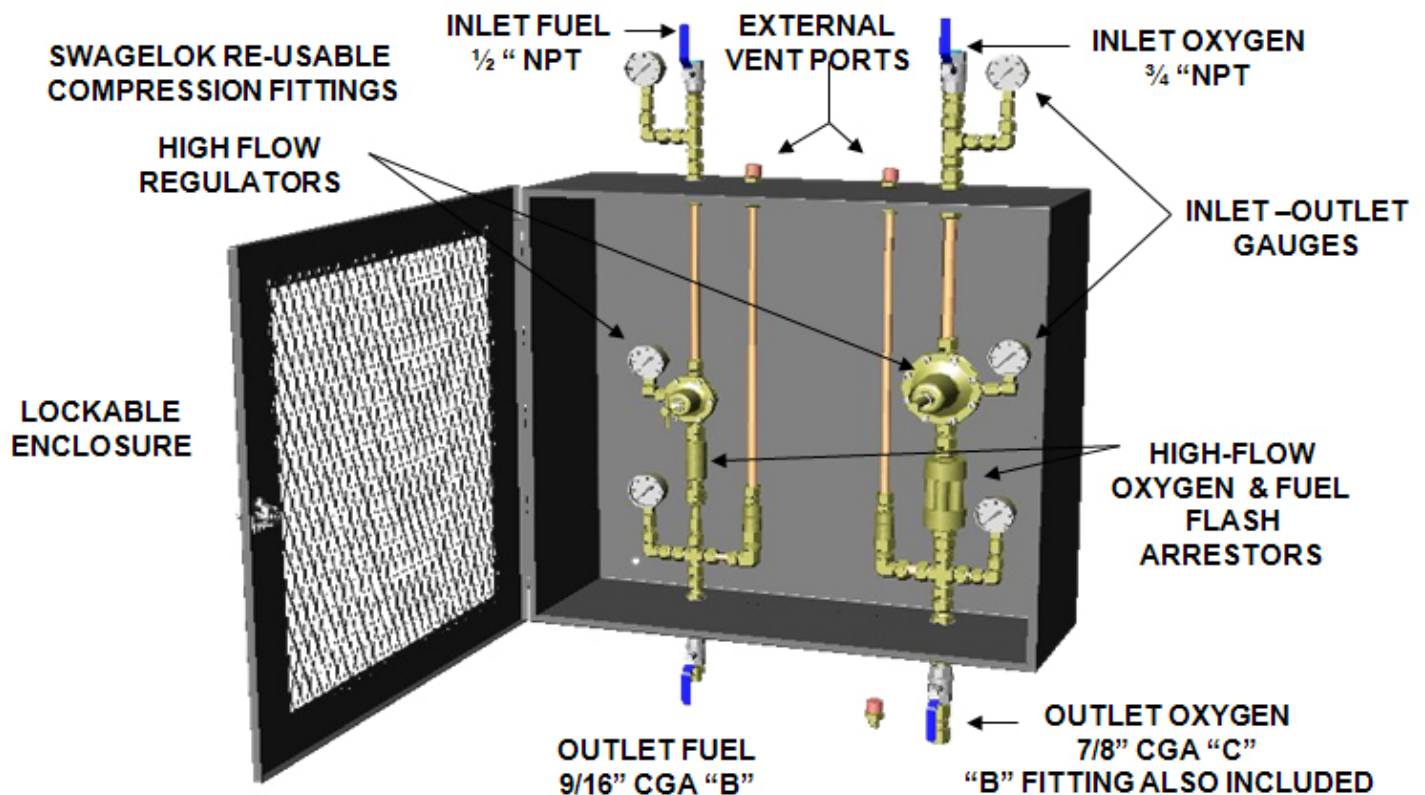


Drop Station Regulator Enclosures

2 HOSE OPERATION (DSE-2)

The DSE-2 contains one high flow preheat/cutting oxygen regulator and one high flow fuel gas regulator. The DSE-2 also contains one DG91N (fuel) and one DEMAX (oxygen) Flash Arrestors as well as shutoff ball valves mounted outside the DSE-2 enclosure. Relief valves with an external vent port are connected to the fuel and oxygen lines. Swagelok re-usable compression fittings are used throughout the system to eliminate Teflon thread tape and to allow quick replacement of failed components. A lockable enclosure with an expanded-metal viewport allows operators to view the pressure gauges while allowing ventilation of the cabinet for safety purposes. Outlet valves come with end caps. The standard connector configuration for the DSE-2 is as follows:

- 3/4" NPT Female oxygen inlet connection
- CGA "B" Male (9/16-18 UNF) oxygen outlet connection
- CGA "C" Male (7/8-14 UNF) adapter fitting is included with the DSE-2 to allow connections to CGA "C" hose fittings.
- 1/2" NPT Female fuel gas inlet connection
- CGA "B" LH Male (9/16-18 LH UNF) fuel gas outlet connection



3 HOSE OPERATION (DSE-3)

The DSE-3 contains one high flow cutting oxygen regulator, one high flow pre-heat oxygen regulator and one high flow fuel gas regulator. The DSE-3 also contains two DG91N Flash Arrestors (one pre-heat oxygen, one fuel) and one each DEMAX Cutting Oxygen Flash Arrestor as well as shutoff ball valves mounted outside the DSE-3 enclosure. Relief valves with external vent ports are connected to the fuel line and pre-heat oxygen lines. Swagelok re-usable compression fittings are used throughout the system to allow quick replacement of failed components. A lockable enclosure with an expanded-metal viewport allows operators to view the pressure gauges while allowing ventilation of the cabinet for safety purposes. Multiple pressure gauges provide readings on supply pressures, regulator pressures, and post-flash arrestor pressures to provide accurate readings throughout the system. The standard connector configuration for the DSE-3 is as follows:

- 3/4" NPT Female oxygen inlet connection
- CGA "C" Male (7/8-14 UNF) cutting oxygen outlet connection
- CGA "B" Male (9/16-18 UNF) pre-heat oxygen outlet connection
- 1/2" NPT Female fuel gas inlet connection
- CGA "B" LH Male (9/16-18 LH UNF) fuel gas outlet connection

