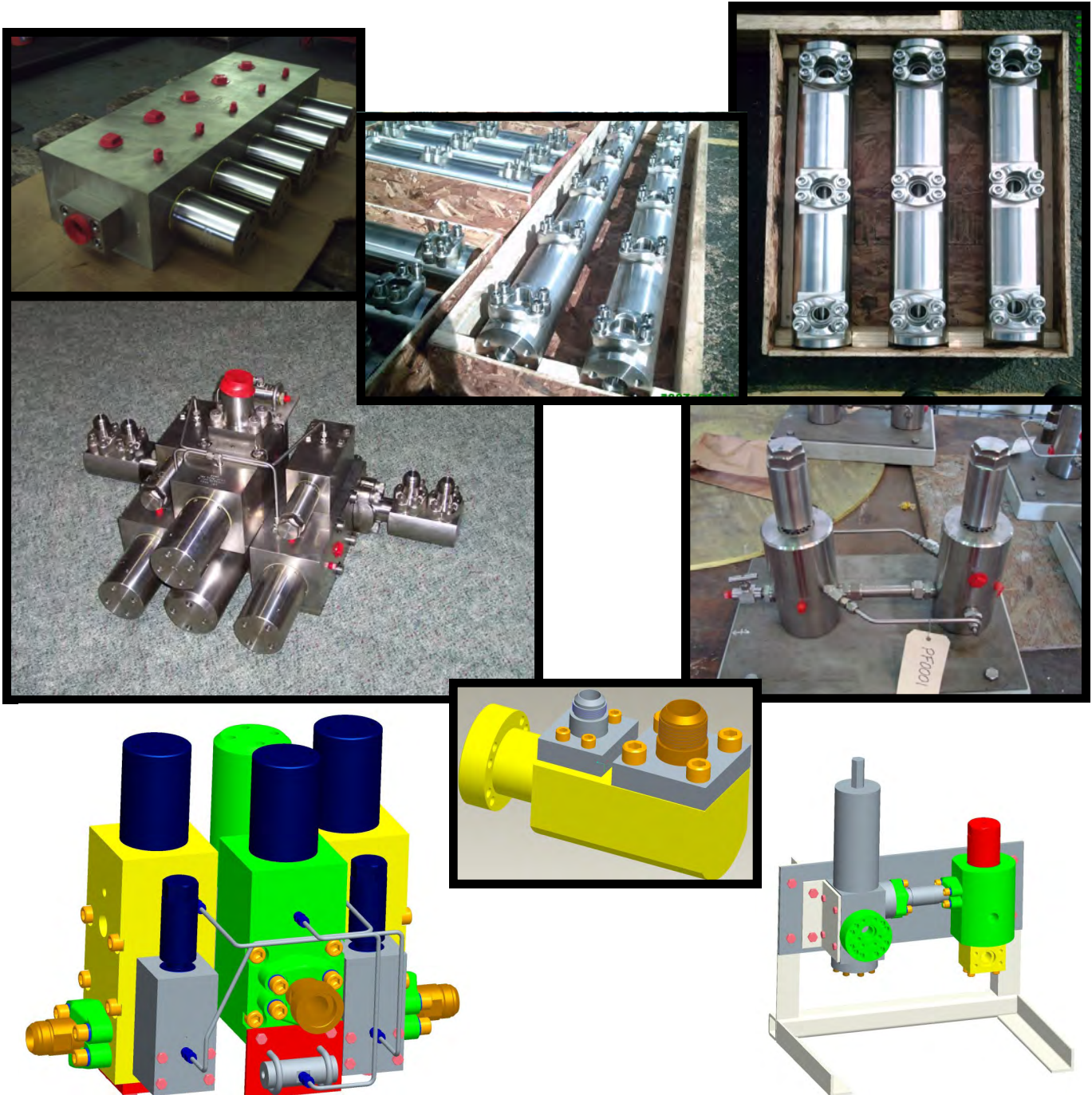
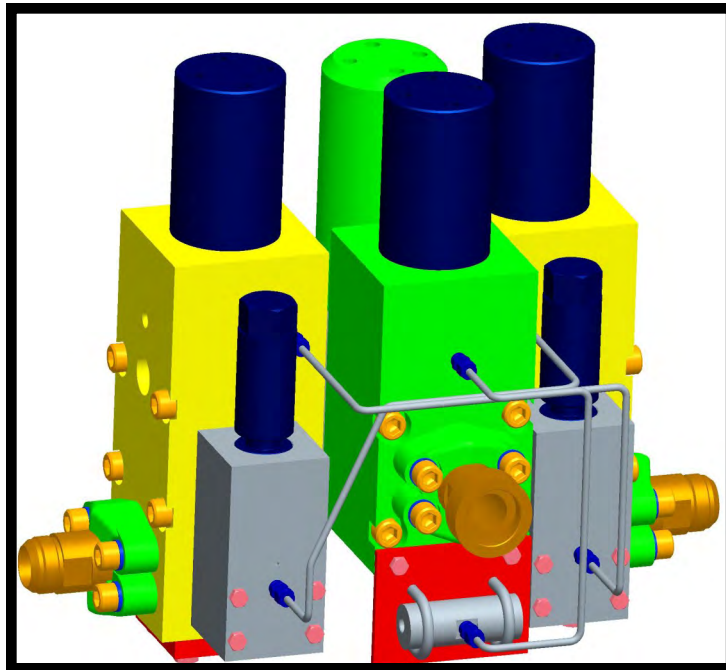
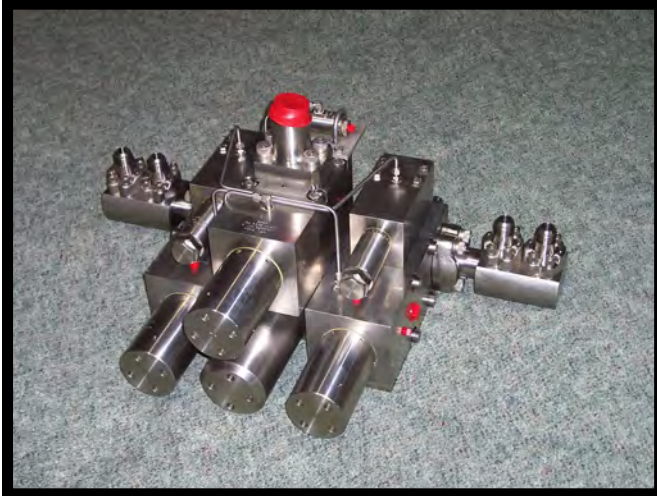


RIGID CONDUIT MANIFOLDS, FAIL-SAFE ASSIST CIRCUITS, EDS SYSTEMS, MULTI-PILOT CONNECTORS



DTL can manufacture manifolds, control systems, and add-on circuit hardware. Accumulator manifolds, supply headers, and special control circuits such as Choke and Kill Fail-Safe circuits and Rigid Conduit Manifolds have all been manufactured by DTL Technologies.

RIGID CONDUIT VALVE ASSEMBLY

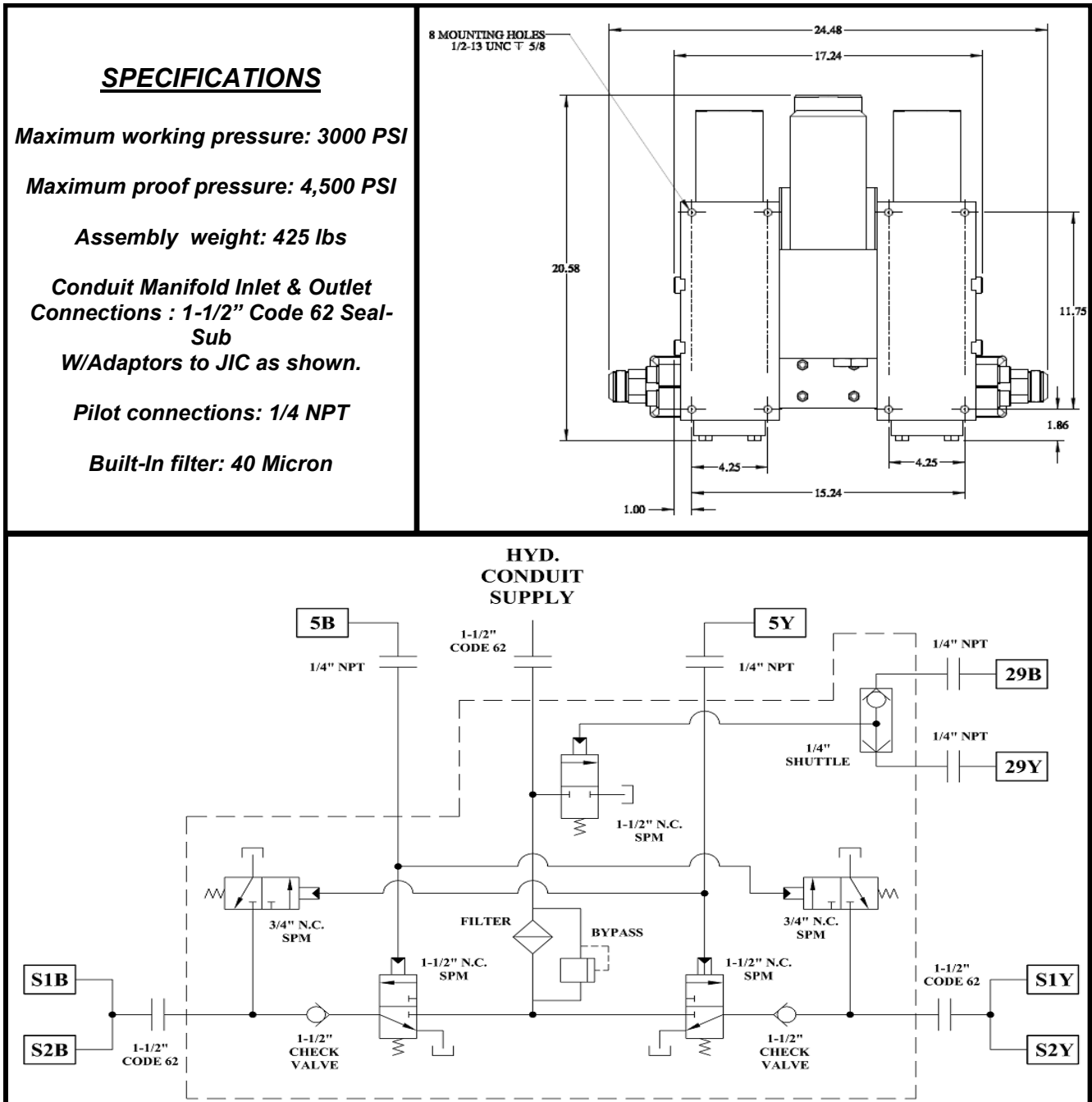


This Multi-Valve Assembly was created to operate as a rigid conduit manifold. This configuration will allow control of the rigid conduit supply to the yellow and blue pods. This design improvement was used to convert the main control valves from slide valves to SPMs. Secondary focus was to reduce plumbing clutter on the stack by condensing the circuit into a modular package. Features include conduit dump, filter assembly, and pilot controls to flow supply and POD pressure dump.



RIGID CONDUIT VALVE ASSEMBLY

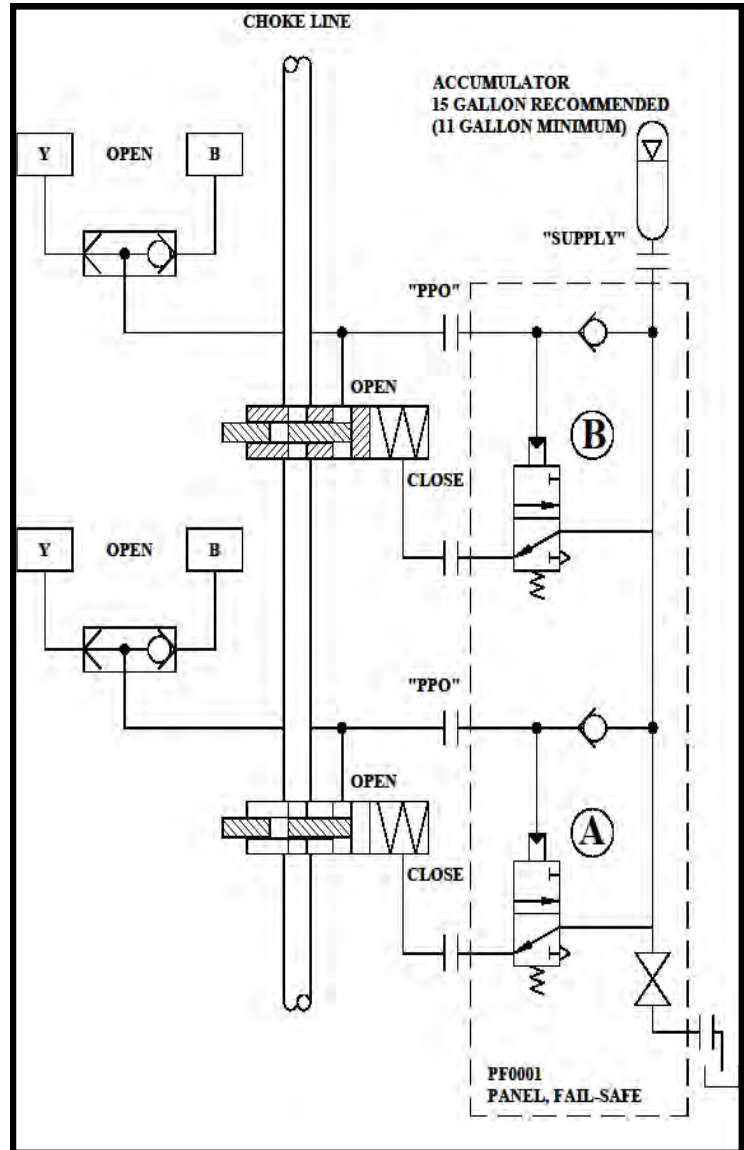
This Rigid Conduit Assembly is designed to be mounted on a flat surface / plate. The bolt pattern for mounting and schematic diagram is shown in the figure below.



FAIL-SAFE ASSIST CIRCUITS



Fail-Safe Assist Circuits are added to Choke and Kill valves to assist in positive closure of these types of valves, which were originally designed with a spring-to-close actuator. The fail-safe circuit supply pressure is captured in an accumulator from the pilot line when the choke or kill valve is hydraulically opened. When the pilot signal is removed, the accumulated pressure is released to close the valve along with the spring actuator. An orifice can be installed between the two control valves to sequence the valves when both pilots are released simultaneously.



SKID-MOUNTED REGULATOR / SPM

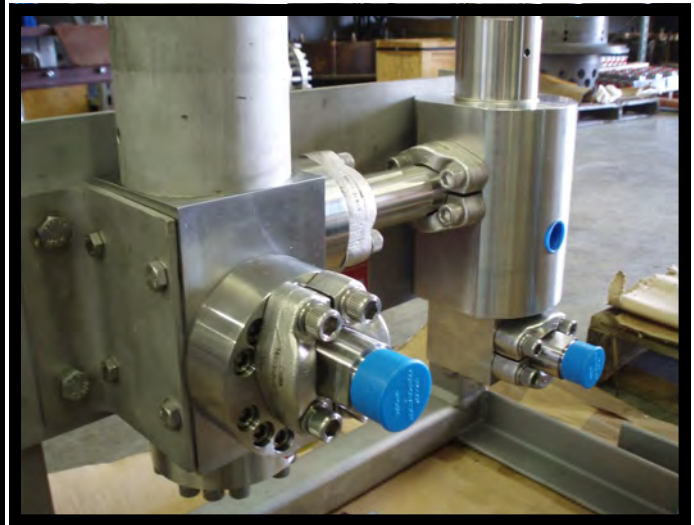
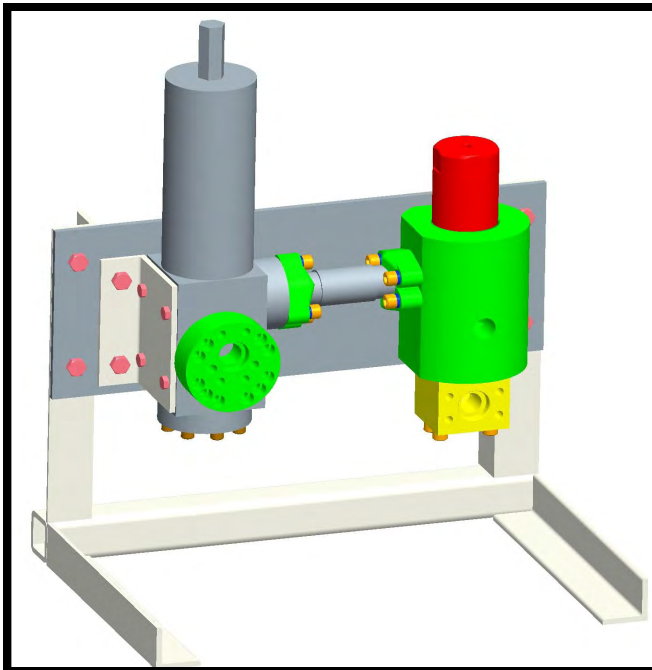
SPECIFICATIONS

Maximum working pressure: 5,000 PSI

Regulator outlet adjustable to: 1,000 - 4,500 PSI

Assembly weight: 175 lbs

Regulator & SPM manifold inlet & outlet connections: 1" Code 62 Seal-Sub



This Multi-Valve Assembly was designed to add a 3000 PSI circuit from a 5K PSI supply manifold. The configuration will allow reduction of pressure from the 5000 PSI supply to 3000 PSI downstream from the regulator. An SPM control valve (N.C. 3W-2P) was used to control supply to the new circuit.