

Fluid Distribution Block

For Hydrocarbon, Chemical, and Dye

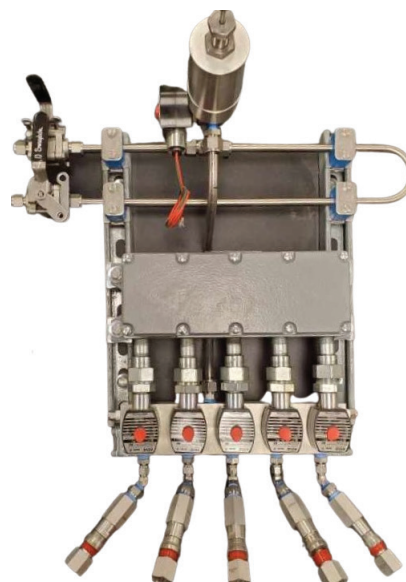
The Chemtec Manifold BLOCK is a unique solution for either distributing or combining additives, dyes, or other products. This multi-purpose solution can be configured to consolidate multiple streams of hydrocarbon or other products into a single destination, or conversely, a single stream can be sent to multiple destinations. Whether it be composite sampling of multiple batches with multiple containers, or combining a unique recipe of additives, dyes, or other products, the Manifold BLOCK is the right tool for the job. The Manifold BLOCK is typically used in conjunction with samplers, injectors, or any other application where there are multiple sources headed to a single target, or a single product headed to multiple targets.

MARKET

Energy Infrastructure

AVAILABLE

Worldwide

**Manifold BLOCK with quick disconnect connections**

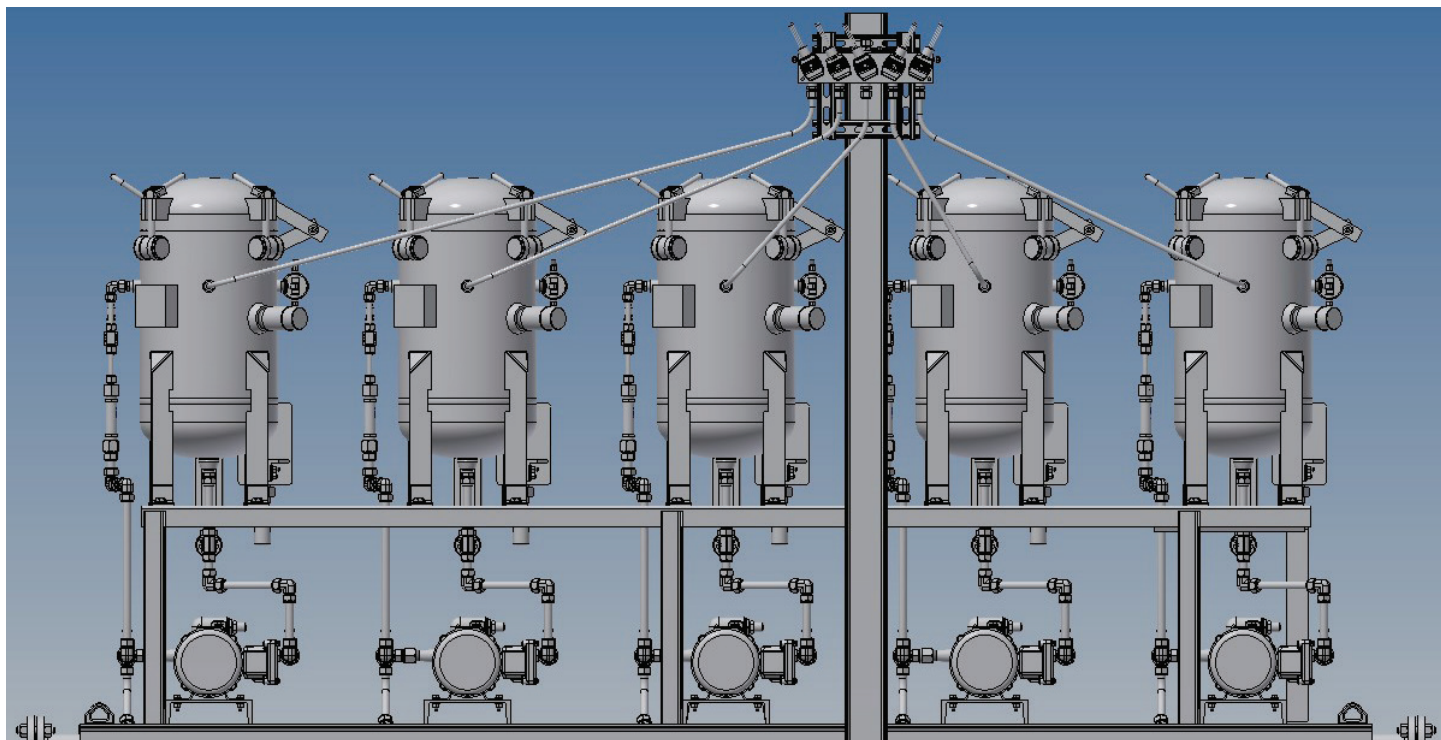
The Manifold BLOCK is constructed of 100% 304 Stainless Steel. The Solenoid cavities are machined into the face of the block, and machinist ports allow flow to any of the solenoid ports on the block for custom arrangements. The 24VDC or 120VAC solenoids are normally closed and are energized to open, giving you a very low power device. Custom orifice / inserts, machined sealing surfaces, and multiple plunger elastomer choices are available, making for the best sealing possible for your specific application. The simplicity of the design, low power consumption, optional internals, and precision construction provide you with a component to your system that is extremely reliable, reduces maintenance costs, reduces downtime costs, increases product quality, and increases safety.

The Manifold Block is available in 1 to 5 Solenoid Valve Versions and has 3/8" NPT inlet and discharge connections. It can be insulated with insulation blankets and heat traced with the system.

KEY DESIGN FEATURES

- » Compact, Stainless Steel Block Design
- » Clean out ports on the side to allow quick, easy cleaning, or automatic flush system
- » Reversible machining available to allow for multiple sources to a single destination
- » Flowrate of .3 to 3.5 GPM Standard.
- » Standard Max Pressure Rating 800 PSI, with Option for 1440 PSI by Changing to High Pressure Orifice and utilizing Viton Plunger
- » PTFE Static Seals / Plunger Options include Viton, Chemraz, or Simrez.

**Bare Manifold BLOCK**



TECHNICAL DATA

ELECTRICAL

Solenoid ASCO, explosion proof, 2-way, direct acting, normally closed, 120 VAC/60 hZ. (standard), Current 17.1 watt (standard), 24 VDC and other voltages available as an option.

MECHANICAL

Static Orings PTFE

Plunger Elastomers Viton, Chemraz, or Simrez (Standard)

Field Mounting (2) mounting holes provide for the mounting of the device to backplane or unistrut utilizing 1/4" cap screw or bolt.

Configuration 2-Valve, 3-Valve, 4-Valve, and 5-Valve configurations available which can be used in combination for even more sources or destinations.
Port sizes - 0.250"

Connections Standard 3/8" FNPT Inlet(s) & 3/8" MNPT Outlet(s)

OPTIONAL ACCESSORIES OR ARRANGEMENTS

Inlet and Discharge can be fitted with Check Valves, Swivels, and/or Quick Disconnects to allow for hose connections.

Junction Box can be added for pre-wired assemblies. Insulation blankets for all sizes available

PRODUCT ORDERING

| Model Number | Description | Orifice/insert | Solenoid Seat Material | Solenoid Voltage / Hz | Enclosures | Configuration |
|--------------|-----------------------|-------------------------|---|-------------------------|--------------|--------------------------|
| MANBLK-2 | 2-Valve Manifold Bloc | 0 = Std 3/32" | 0 = Chemraz (Max working pressure 400 PSI) | 0 = 120 VAC / 60 | 0 = None | 0 = None |
| MANBLK-3 | 3-Valve Manifold Bloc | 1 = 3/64" High Pressure | 1 = Simrez (Std for ATEX)(Max working pressure 400 PSI) | 1 = 240 VAC / 60 | 1 = UL / CSA | 1 = Custom (Contact CES) |
| MANBLK-4 | 4-Valve Manifold Bloc | 2 = 5/32" High Flow | 2 = Viton (Max working pressure Std Orifice – 800 PSI / High Pressure Orifice - 1440 PSI) | 2 = 230 VAC / 50 (ATEX) | 2 = ATEX * | |
| MANBLK-5 | 5-Valve Manifold Bloc | | 3 = Special | 3 = 24 VDC | | |
| | | | | 4 = Other | | |

* NOTE: ATEX cert. for assembly not available (ATEX components only)

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