

HYDRA-CANNON Manifold Systems can be designed to meet your exact chemical dispensing needs. 3 to 5 blocks can be connected in a modular design. Each block combines solenoid valves, CHEM-FLEX injectors, with QuickChange™ couplings, into a compact and versatile manifold. This technology provides a superior injection system for a broad range of chemical applications.

## HYDRA-CANNON CHEMICAL MANIFOLD SYSTEM



### BENEFITS

- EASY TO INSTALL AND SERVICE
- MODULAR DESIGN, CAN CONFIGURE 3-5 BLOCKS IN A SINGLE MANIFOLD FOR MULTIPLE CHEMICAL FEED
- QUICKCHANGE COUPLING ALLOWS EASY INJECTOR INSTALLATION AND ROTATION TO 360°
- USES CHEM-FLEX INJECTORS, THE MOST CORROSION RESISTANT AND LONGEST LASTING INJECTORS ON THE MARKET
- COMPACT, LIGHT WEIGHT AND CORROSION RESISTANT
- EASY ASSEMBLY AND DISASSEMBLY; NO SPECIAL TOOLS REQUIRED
- AVAILABLE IN LOW PRESSURE (100-500 PSI) AND HIGH PRESSURE (501-1000 PSI) MODELS
- TRIPLE FOAM OPTION AVAILABLE
- PROVEN SOLENOID VALVES FOR SUPERIOR FLOW AND RELIABLE PERFORMANCE
- METERING TIP OPTIONS TO CHANGE DISPENSING FLOWS
- USED FOR BROAD RANGE OF APPLICATIONS



4 Position with Tri-foam (also available in stainless steel for high pressure (501-1000 psi))



5 Position, 24 VAC (PN1001070-5-1)



4 Position, 24 VAC (PN1001070-4-1)



3 Position, 24 VAC (PN1001070-3-1)

Hydra-Flex Inc. brings you the innovation and engineering technology needed to make your systems more profitable and reliable. The HYDRA-CANNON Chemical Manifold System combines QuickChange CHEM-FLEX Injectors and solenoid valves into a compact and versatile manifold. This technology provides a superior injection system for a broad range of harsh chemicals including caustic, acidic and solvent based solutions.

#### INSTALLATION

The manifold can be installed in any position and the quick connects allows for easy installation of multiple CHEM-FLEX injectors. Tubing can be connected to the hose barb before each injector is installed on the manifold.

#### OPERATION

When the solenoid is energized, the plunger is pulled up, opening the port. This releases the pressure above the seat. When the coil is de-energized the solenoid plunger is pushed down by the spring and closes the port on the manifold.

**High-pressure models in stainless steel (501-1000 psi); 24 VDC or 120 VAC also available.**



Tri-Foam (PN1001087)

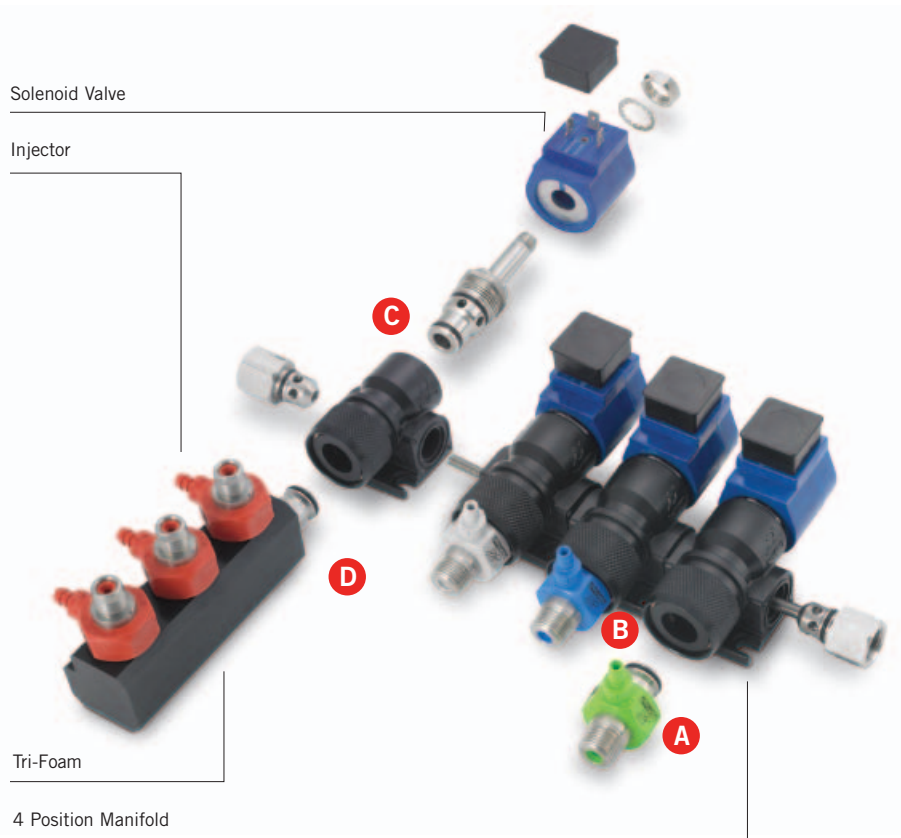
# HYDRA-CANNON CHEMICAL MANIFOLD SYSTEM

## SIMPLIFY YOUR INJECTION SYSTEM WITH HYDRA-CANNON MANIFOLDS AND CHEM-FLEX INJECTORS



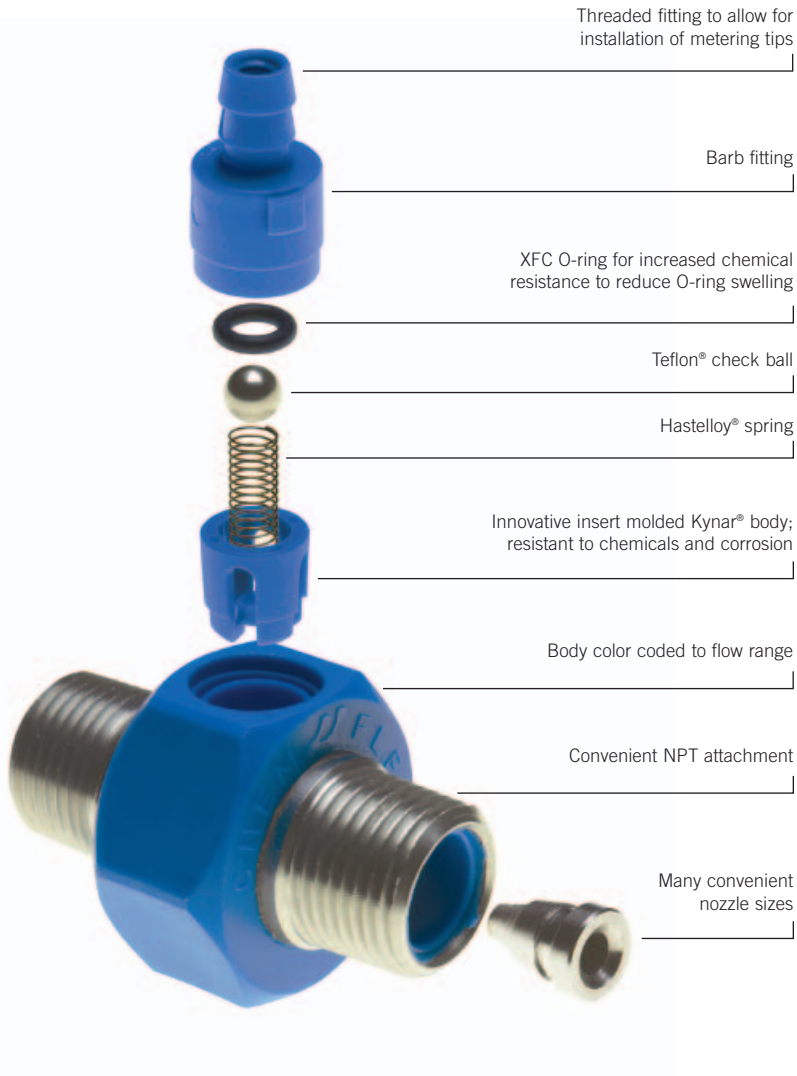
- Option to add multiple manifolds for additional chemical feed
- Uses CHEM-FLEX injectors
- Materials are corrosion resistant Kynar, Teflon and Hastalloy

WITH OUR QUICKCHANGE FEATURE, INJECTORS ARE EASY TO INSTALL, REPLACE AND ROTATE TO FIT YOUR APPLICATION NEEDS.



- A** Modular design for mix and match of injectors to meet your specifications; CHEM-FLEX injectors have a variety of outlet connections including: Hose Barb, 9/16" JIC and Male NPT
- B**
  - QuickChange CHEM-FLEX Injectors are simple to replace and conveniently rotate in any direction
  - Patented design – Includes Kynar® to eliminate corrosion on wetted parts
  - Metering tip options are available to change dispensing flows
- C** Easy assembly and disassembly; no special tools required
- D** Compact and lightweight design

# HYDRA-CANNON CHEMICAL MANIFOLD SYSTEM



Part Number	Color	Flow Orifice	Flow Range @200 PSI	Barbs & Barb Angle
618057		0.057 in.	1.0 GPM	1
618070		0.070 in.	1.4 GPM	1
618083		0.083 in.	2.1 GPM	1
618086		0.086 in.	2.3 GPM	1
618098		0.098 in.	3.2 GPM	1
629057		0.057 in.	1.0 GPM	2@60°
629070		0.070 in.	1.4 GPM	2@60°
629083		0.083 in.	2.1 GPM	2@60°
629086		0.086 in.	2.3 GPM	2@60°
629098		0.098 in.	3.2 GPM	2@60°

CHEM-FLEX Injectors come in a variety of connection types including: 3/8" NPT, JIC, and Hose Barb. Contact your HFI Sales Representative for assistance specifying your CHEM-FLEX Injector.