

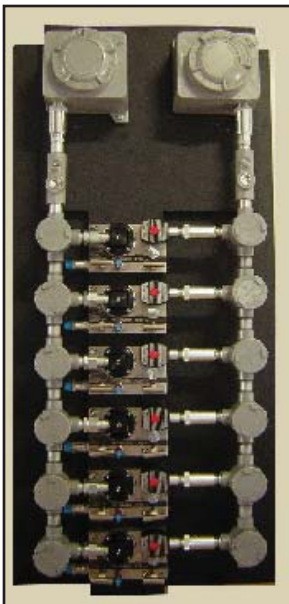


General Description

The Chemtec MiniBLOCK provides users with a complete stainless steel fluid metering block for injecting a wide variety of fuel additives or dyes. MiniBLOCK serves as a "slave device" to a user-supplied "master controller". The product is accurate, reliable and compatible with a wide range of chemicals. The oval gear design offers high accuracy and low pressure drop. Sensors are either UL / CUL or ATEX listed and are approved for use in hazardous area locations.



"Loose" MiniBLOCK



MiniBLOCK 6-PAC

Design Features

- Compact, stainless steel block design
- High quality, reliable, and accurate to 0.25-0.50% of flow rate, oval gear design
- Low pressure drop
- Chemraz & Teflon elastomers (standard), excellent chemical resistance
- Sensors are 5-30 VDC Hall-effect or Reed switch type
- ASCO solenoid provides industry standard solution for precise flow control
- UL / CUL or ATEX components available for use in Hazardous Locations
- Available unmounted or 1-PAC through 6-PAC configuration

Model 7718

For dye, marker, ethyl mercaptan and other low dosage fuel additives
 Flow rate 0.03 - 0.3 GPM (0.12 - 1.2 LPM) @ 1cSt
 Maximum operating pressure 300 PSIG
 Maximum differential pressure 145 PSIG
 Accuracy 0.25-0.50% of flow
 Nominal resolution 6,000 PPG / 1585 PPL

Model 7738

For most gasoline & diesel additives
 Flow rate 0.3 - 3.0 GPM (1.2 - 12 LPM) @ 1cSt
 Maximum operating pressure 300 PSIG
 Maximum Differential Pressure 145 PSIG
 Accuracy 0.25-0.50% of flow
 Nominal resolution 2,600 PPG / 687 PPL

Technical Data

Electrical

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

Sensor Hall-Effect type, non-intrusive, 3-wire, 5-30 VDC, or Reed Switch, non-intrusive, 2-wire, 5-30 VDC. Both sensors have hazardous area approvals

Mechanical

Elastomers Chemraz dynamic seals & Teflon static seals (standard), other elastomers available as an option

Field Mounting (2) mounting holes provide for the mounting of the device to backplane or unistrut utilizing 5/16-inch hex socket cap screw

Configuration Multi-PAC configurations include 1-PAC through 6-PAC, each PAC pre-wired and pre mounted

Meter Access Meter access via four (4) recessed socket head bolts located under sensor

Meter Gears Oval gear design, 300 series stainless steel (standard)

Needle Valves 316 stainless steel with Teflon packing, high pressure rated

Calibration Swagelok quick-connect fitting with dust cap, 316 stainless steel, mates with PN 77-CTK-50

Strainer Stainless steel filter screen, basket type, 230 micron (60 mesh)

Check Valve 10 PSIG cracking pressure

Dimensions 8.88" L x 4" H x 1.5" D (225.6 mm x 101.6 mm x 38.1 mm), unmounted, length includes installed externally mounted check valve

Connections 3/8" FNPT Inlet & 3/8" MNPT Outlet

Optional Accessories

Calibration Kit PN 77-CTK-50 (standard), or PN 77-CTK-50HR (recommended for all dye additives)

Thermal Relief Kit PN 77-TRK-10 (device recommended for all dye applications)

Product Ordering

Model Number	Solenoid Seat Material	Voltage/Hz.	Meter Gears	Configuration	Enclosures
7718 v3	0 = Chemraz	0 = 115 / 60	0 = SS w/ Tungsten	0 = Loose	0 = None
7738 v3	1 = Teflon	1 = 230 / 60		1 = 1 PAC	1 = UL / CSA
	2 = Viton	2 = 230 / 50		2 = 2 PAC	
		3 = Other		3 = 3 PAC	3 = ATEX
				4 = 4 PAC	
				5 = 5 PAC	
Example: MiniBLOCK 7738, Chemraz, 115v, SS Gears w/ Tungsten, Loose, No Enclosure (i.e. MB-7738-0-0-0-0-0)				6 = 6 PAC	

Chemtec Energy Services, LLP
 11745 Cude Road
 Willis, Texas 77318 USA
 Phone: 936 856 1704
 Fax: 936 856 1669
www.ChemtecEnergy.com
sales@ChemtecEnergy.com



Chemtec Europe BVBA
 Klein Veerle 103 - bus 4
 2960 Brecht, Belgium
 Phone: +32 3 664 4735
 Facsimile: +32 3 664 3545
www.ChemtecEurope.com
sales@ChemtecEurope.com