



General Description

The ProPAC6 is a modern, multi-purpose, microprocessor based electronic injector designed to inject a broad range of fuel additives. Common applications include the injection of fuel additives, petroleum dyes, ethyl mercaptan, marker additives, and emission reduction additives used at product terminals, refineries, pipelines, and marine terminals. The ProPAC6 can be controlled by several methods:

- An external pacing signal (main product flow rate) from an electronic preset, pulser, TAS, or PLC.
- Internal pacing signal (either time, known main product volume to be treated, or other non-pulse based input).

The ProPAC6 also incorporates a number of user configurable alarms to ensure the accuracy of the injection process.

The ProPAC6 is ATEX approved for use in hazardous area locations.



ProPAC 6

Design Features

- **Two flow meter sizes accommodate a wide flow range**
- **RS-485 serial communications accommodates numerous industry standard protocols**
- **Can be controlled by either an external or internal pacing signal**
- **RoHS compliant (lead-free)**
- **Power 220 VAC/50 hZ. (standard), 12 or 24 VDC power (optional)**
- **Multi-language capable including English, Spanish, French & Italian**
- **Metering hardware & control software may be modified for unique customer applications**
- **Over 11,000 ProPAC & MiniBLOCK injectors installed worldwide**
- **High quality, accuracy and reliability**

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

Power	220VAC/50 hZ., 50 watts (standard) 12VDC or 24VDC, 20 watts (optional), DC unit must be ordered with DC power supply
Solenoid	ASCO, 2-way, direct acting, normally closed, 316 SS, ATEX approved for Zone 1 hazardous locations. Standard product includes Chemraz elastomers
Meter Sensor	Hall-Effect type, non-intrusive, 3-wire, 5-30 VDC, or Reed Switch, non-intrusive, 2-wire, 5-30 VDC. Both sensors ATEX approved for use in Zone 1 hazardous locations
Mechanical	Reference MiniBLOCK Product Bulletin or other product specifications when custom metering hardware is utilized
Display	2-line, 16 character, multi-language alpha-numeric, vacuum fluorescent
Multi-language	Languages include English, French, Italian and Spanish
Serial COM	RS485 multi-drop, selectable baud rates, includes lightning & surge protection
Protocol	ASCII-based
Memory	Non-volatile
Programming	Via RS-485 serial communication, 4-button keypad, or Pocket PC using IrDA port (optional)
Event Log	1,000 + transactions (optional)
I/O	User configurable, industry standard solid state relays, optically isolated & fuse protected
Recipes	Programmable up to 8 using two block configuration
Clean Start	Main product line flushing feature typically used when injecting dye additives
Product Pulse Signal	DC Input (count speed to 15 kHz.)
ARM Signal	DC Input
Load Permissive	Output Module AC or DC with appropriate output module installed
Alarm	Output Module AC or DC with appropriate output module installed
Confirmation	Output Module AC or DC with appropriate output module installed
Safety	Solid state design, no open contacts. ATEX approved for use in Zone 1 hazardous area locations.
Temperature	Ambient operating range of -40 C to 60 C.

Product Ordering

Model Number	Solenoid Seat Material	Voltage/Hz.	Meter Gears	Configuration	Type / Enclosure
7718	0 = Chemraz	0 = 115 / 60	0 = SS w/ Tungsten	1 = 1 PAC	3 = ATEX
7738	1 = Teflon	1 = 230 / 60		2 = 2 PAC	
	2 = Viton	2 = 230 / 50			
		3 = Other			
Example: PP6 7738, Chemraz, 115v, SS Gears w/ Tungsten, 1-PAC, ATEX Enclosure (i.e. PP6-7738-0-2-0-1-3)					

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