



PUMP ACCESSORIES

Plainsman Ball Check Valves

Reliable, field proven check valves.

Features

- Metal to metal seats
- Simple design makes it easy to install and maintain, with only two moving parts
- Low cracking pressure makes it suitable for vacuum or low-pressure applications
- Lower price component to replace the alternatives in the same application
- Designed for manufacturing to keep costs down

Technical Specifications

Cracking Pressure: 3-5 PSI [20-35 kPa]

Viton seals standard

Temperature Range: Based on viton seal, -15°F to 400°F (-26°C to 205°C)

Spring: Stainless steel (Inconel optional)

Ball: Stainless steel

Spring Retainer: CF8M stainless

Note: Valves without a CRN cannot be used in piping subject to the ALBERTA PRESSURE EQUIPMENT SAFETY REGULATION



MADE IN CANADA



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Specifications subject to change without notice



Model PL-250 High Pressure Instrumentation Line Filter

The PL250 is designed to clean instrumentation supply gas, ensuring maximum instrumentation life.

Features

- Hex construction for easy disassembly
- Lightweight aluminum construction
- Optional drain valve and pressure gauge

Specifications

Working Pressure : 2150 PSI

Operating Temperature: -40°F to 180°F (-40°C to 80°C)

50 µm pore size HDPE filter element standard

Inlet port: 1/4" fNPT

Outlet ports: 1/4" fNPT (2 ports)

Drain port: 1/4" fNPT



INLINE FILTER



Model P-39-N Pressure Regulator

The P-39-N is a high pressure, user friendly regulator, capable of stepping down high inlet pressures to lower instrumentation working pressures. It is designed for easy field adjustment and maintenance.

Features

- Corrosion resistant nickel plating
- Wire mesh filter to keep dirt and foreign objects out
- T-handle for easy adjustment
- 4 seat valve disk block — spare seats can be rotated on job site

Specifications

Inlet: 1/4" fNPT

Outlets: 1/4" fNPT (2 ports)

Vents: 4

Inlet Pressure: 5500 psi (max)

Outlet Pressure: 0 to 60 psi

Temperature Range: -40 °F to 225 °F (-40 °C to 106 °C)

Body: Nickle-plated brass

Diaphragm: 302 stainless

Seat: PTFE



Model P-39 Pressure Regulator

The P-39 is a high pressure, versatile workhorse, capable of stepping down high inlet pressures to lower instrumentation working pressures. Its tamper proof design and built-in bronze filter make it a great choice for OEM systems or workshop calibrated systems.

Features

- Sintered bronze inlet filter to keep dirt and foreign objects out
- Tamper proof cap nut over adjusting screws
- 4 seat valve disk block — spare seats can be rotated on job site

Specifications

Inlets: 1/4" fNPT (2 ports)

Outlets: 1/4" fNPT (2 ports)

Vents: 4

Inlet Pressure: 5500 psi (max)

Outlet Pressure: 0 to 60 psi

Temperature Range: -70 °F to 225 °F (-57 °C to 106 °C)

Body: Forged brass

Diaphragm: 302 Stainless

Seat: Kel F



Type 50 Pressure Regulator

The Type 50 regulator is a fine-tuning tool for adjusting supply pressures of individual instruments.

Features

- 40 micron mesh filter to keep debris out
- Integrated Dripwell
- Non-relieving

Specifications

Inlet: 1/4" fNPT

Outlets: 1/4" fNPT

Vents: 1

Inlet Pressure: 250 psi (max)

Outlet Pressure: 0 to 120 psi

Temperature Range: 0 °F to 160°F (-18 °C to 71 °C)

Body: Cast aluminum with vinyl paint

Diaphragm: Buna-N



Model AM 0001 Atomizer

Save chemical costs by using chemicals more efficiently. The Atomizer disperses liquids more efficiently and also acts as a check valve.

Features

- Accelerates the mixing of liquids or promotes atomization of liquid into gas
- Use for line check or as a backup for line check

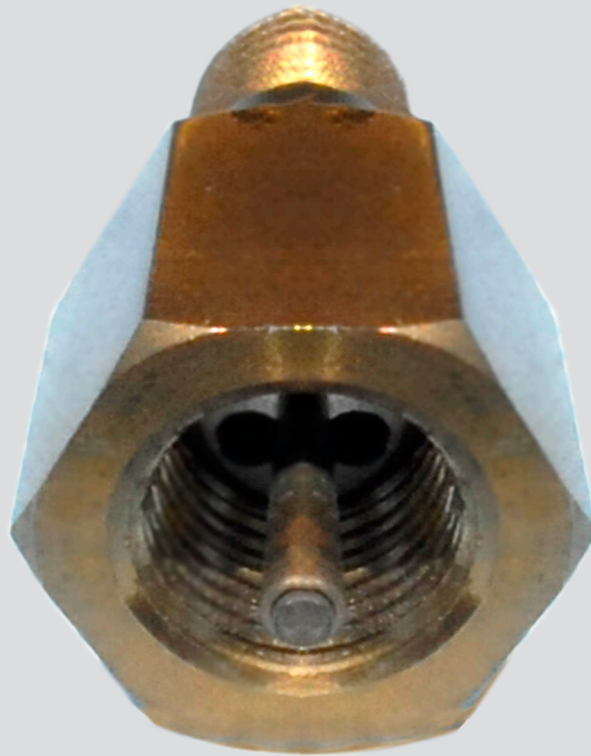
Specifications

Inlet: 1/4" fNPT

Outlet: 1/4" mNPT

Opening Pressure: 150 to 300 psi

Rated Pressure: 6000 psi



Ceramic Coated Plungers

Reduce grit abrasion with ceramic coated plungers.

Features

- Coating increases resistance to abrasion
- Excellent for use with crystallizing chemicals or grit
- Ceramic coating extends beyond packing area to ensure the best possible seal

Specifications

Plunger: 316 stainless

Coating: Chromium oxide (Cr_2O_3)

Available for: 10, 430 and 510 series pumps





DRIP PAN

Model PL 1722 Drip Pan

Avoid environmental contamination with a Plainsman drip pan.

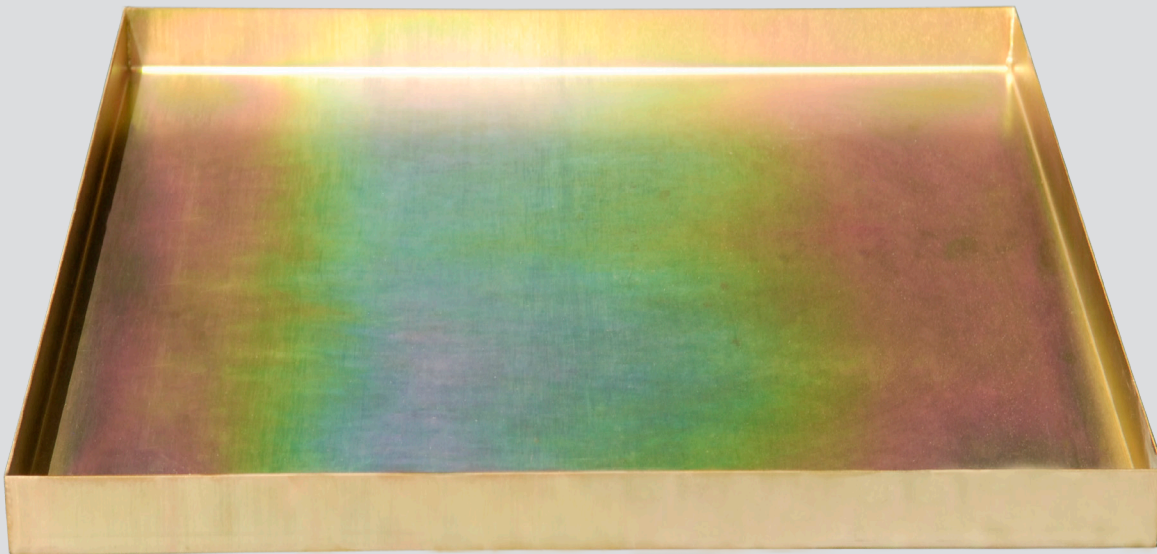
Features

- Fits all Plainsman chemical pumps
- Leak-free design with liquid-tight welded corners
- Gold zinc plated for chemical resistance to corrosion

Specifications

Dimensions	17" x 22" x 1", 14 ga. Steel	18.5" x 10.5" x 1.5", 14 ga. Steel
Capacity	6.4 quarts (6.1 L)	5.0 quarts (4.8 L)

Other sizes available on request



Plainsman Packing

Plainsman offers specialized packing for chemical pumps beyond the standard Buna-N to meet any chemical pumping requirement.

Buna-N



Buna-N is the standard for chemical injection. The most economical and versatile packing, it can be used for methanol, hydrocarbons, ethylene glycol, water, dilute acids, dilute alkali, salt solutions and much more. It is not recommended for keytones, aromatics, polar solvents, etc.

Buna-N has good wear resistance and temperature resistance from -35°F to 250°F (-37°C to 120°C)

Hard Packing



Buna-based Hard Packing is suitable for Buna applications requiring higher pressure capabilities (3000 PSI and up)

Viton



This Fluorocarbon is suitable for higher temperatures (up to 200°C) and aromatics, chlorinated hydrocarbons, etc

Teflon



Teflon is virtually impervious to most chemicals and has a wide operating temperature range (-150°C to 230°C). It has less wear resistance than other packing

Fluorosilicone



Fluorosilicone is resistant to solvents, harsh aromatics and fuels. Temperature range: -60°C to 230°C





ASA 664 Tank and ASB 871 Gauge

Add a metal tank and gauge to a Plainsman pump skid for convenience.

Features

- Welded construction
- Integrated gauge - 1/4" fNPT Connection

Specifications

Tank

Capacity: 5 gallons

Material: Stainless

Gauge

Body: Stainless

Seals: Viton



TANK & GAUGE

