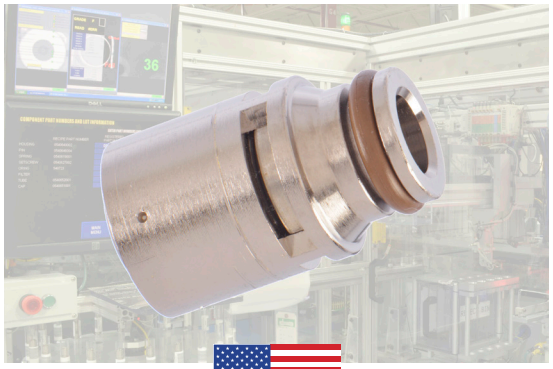
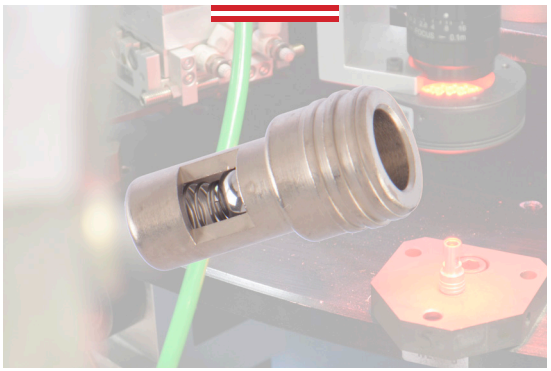
Innovative Fuel System Valves

Envisioned, engineered and manufactured by SCHRADER PACIFIC in Altavista, Virginia, USA





Schrader Pacific valves are produced in state-of-the-art automated production cells with integrated error-proofing and functional verification to ensure zero-defects.

Fuel Pressure Regulators • Fuel Pump Check Valves
Fuel System Check Valves • Diesel Bypass Valves

Fuel System Check Valves

Designed for installation into high pressure Direct Injection fuel supply lines

Features

- Competitively priced
- Low noise
- Controlled leakage for fuel rail "bleed down"
- Manufactured in either nickel-plated brass or stainless steel
- Fully automated assembly cell with integrated error-proofing and multiple camera stations
- Available in 3/8" and 5/16" for both multi-layer and molded PPA fuel lines

Applications

- Currently used in multiple global platforms

Schrader Pacific designs fluid control valves to meet the most demanding requirements.

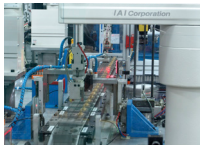
Schrader Pacific manufactures millions of zero defect parts annually.

Schrader Pacific engineers and manufactures fluid control valves for automotive OEMs globally. Product lines include regulators, check valves and solenoid valves for fuel, air-conditioning and thermal systems.

The Schrader Pacific commercial product line offers a variety of standard fluid control valves including valve cores, tank valves and high-pressure valves and connectors used in the industrial OEM and industrial supply markets.

Schrader Pacific Advanced Valves is committed to excellence by utilizing the strength of "team" and effectively implementing the tools and philosophy of continuous improvement.

This will be achieved by striving to thoroughly understand and fulfill customer expectations, including 100% on-time delivery, shipment of defect-free product and global leadership in product innovation and reliability.



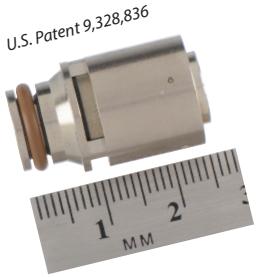
IATF 1649 Quality Certification
ISO 9001 Quality Certification
ISO 14001 Environmental Certification

SCHRADER PACIFIC
Advanced Valves
205 Frazier Road • Altavista, Virginia 24517 • 1.800.345.0578 • www.Schrader-Pacific.com

EMPLOYED BY OEMs WORLDWIDE

Next Generation Fuel Pressure Regulator

Designed to meet increased fuel system performance characteristics



Specifications

- Compact: 24.56 mm x 15.39 mm
- Suitable for use with all fuels
- Not temperature sensitive
- Low noise

Performance

- Linear from 20 to 300 liter/hr
- Low hysteresis
- Calibration from 100 to 800 kPa
  - 100% verified calibration
  - 100% verified leak test

Applications

- Currently producing 8 million/year for global automotive production

Supplied internationally to: Automotive, ATV, snowmobile, motorcycle manufacturers

Fuel Pump Check Valve

Designed for installation into fuel pumps and modules

Characteristics

- Gasoline and diesel versions
- Minimal noise throughout flow range
- Checks in forward direction for safety during possible roll-over situations
- Checks in reverse direction to assure fuel hold pressure is maintained in the fuel rail to assist at restarts or cold starts

Innovation

- Side flow pin stabilizes pin, reduces vibration noise
- Single or dual pin designs to meet flow demands
- Multiple pin colors used for part identification

Performance

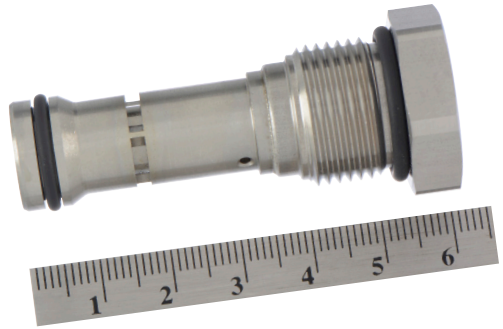
Check Pressures ..... 10 kPa & 50 kPa
Forward & Reverse Leakage ..... 100% Verified
Extrusion Test ..... 100% Verified at 1000 kPa
Flow Range ..... 30 gm/s at 35 kPa & 115 kPa max.

Applications

- Supplied internationally to multiple automotive OEM applications since 2002
- Press-in installation for forward and reverse barb applications

Diesel Bypass Valve

Designed for use in Class 8 truck four-stroke diesel engines



Description

- Opening pressure: 15 bar
- Max. leak rate: 2 LPH@12 bar
- Maximum flow rate: 24 LPM
- 100% Stainless Steel Construction
- Validated at 50 million cycles

Applications

- Developed to spec for European OEM application

Schrader Pacific provides

- Consistent, low PPM performance
- 100% diagnostic testing
- Automated assembly multi-camera machine vision profiling

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