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# CNG Compressor & Dispenser Valve Products



Containing and controlling compressed natural gas (CNG) requires valves that are robust, precision-engineered and with options and variations that suit a wide range of applications. For more than a decade SVF has been an active partner with many of the world's leading CNG equipment manufacturers. Our products are used in compression, storage and dispensing of gas used in the support of Natural Gas Vehicle industry (NGV), considered one of the most ambitious and promising alternatives to gasoline. Innovation, flexibility and a commitment to quality are the key components of our CNG family of products.



**P4**



**HBEV**



**B41Rev3 41Rev3**



**H7/62**



**H7**

- High pressure to 6,000 psi
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling
- Blowout proof stem adds safety & reliability
- Three-piece "swing out" design offers easy access for in-line maintenance

## SERIES H7



6,000 psi valve for compressor & pressure reduction phases of CNG generation

- High pressure to 6,000 psi
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling
- Blowout proof stem adds safety & reliability
- Three-piece "swing out" design offers easy access for in-line maintenance
- Stainless Steel fasteners and handle

## SERIES H7/62



6,000 psi valve featuring Code 62 SAE ends for vessel connection and shut-off

- High pressure to 6,000 psi
- Seal welded construction
- Fire Safe certification to API-607
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling
- ISO 5211 mounting pad for easy actuation
- Seat materials: Delrin® with SE valves, PEEK with SW valves.
- Stainless Steel construction

## SERIES HBEV



6,000 psi, seal welded design



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SVF offers a complete range of valve products to support the Vehicle-CNG initiative worldwide. All of the valves we offer may be fully automated and fitted with ancillary controls such as pilot valves and limit switches.

- High performance design for process-quality applications
- 1/2" P4 rated at 5,500 psi
- Standard seat material is Delrin®
- Blowout proof stem adds safety & reliability
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling
- Three-piece "swing out" design offers easy access for in-line maintenance

## SERIES P4



Valve is compact and ideal for dispenser applications

- Standard Fire Safe Certification to API 607, Anti-Static
- Standard NACE MR0175
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling
- Built-In ISO 5211 direct mounting pad for easy automation
- Standard seat material is TFM1600™ - Optional SupraLon™ Seats for higher temperature, steam, and thermal fluid applications
- Latch lock handle fully compatible with OSHA clamp

## SERIES 41/B41



ANSI 150# flanged in standard port (41) and full port (B41)



P4



HBEV



B41



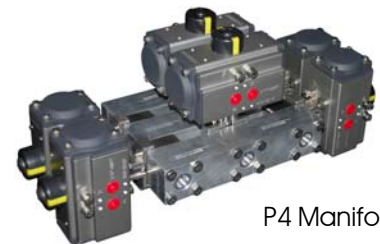
H7/62



H7

Our Engineering & Design Team has also developed a new manifold that may be used in newly designed dispensers.

Our Engineering Department, working closely with one of our customers, was asked to incorporate six of our P4 high pressure valves onto a manifold that will be dispensing compressed natural gas. Our client reported that their current dispenser arrangement uses a series of control and check valves along with stainless steel tubing and fittings that connect everything together. The P4 Manifold accommodates three gas pressure inlets that are routed through a six-valve manifold with two outlets that connect to two hose assemblies.



P4 Manifold

PRO-SPEC is SVF Flow Control's innovative program that provides process engineers the opportunity to develop valve specifications centered around actual process conditions. The broad selection of materials and performance features makes PRO-SPEC a truly versatile and valuable addition to the engineers piping design portfolio.



*What do you need today?™*