

High Pressure Valves for CNG Fueling Equipment & Station Design



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. Containing and controlling compressed natural gas (CNG) requires valves that are robust, precision-engineered and with options & variations that suit a wide range of applications.



H7



P4



HBEV



H7/62



B41C
ANSI CLASS 150



B42C
ANSI CLASS 300



B43C
ANSI CLASS 600



H7/RTJ ENDS
TRANSITION VALVE

SERIES H7
6000 psi



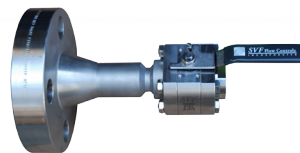
For compressor & pressure reduction phases of CNG generation

SERIES H7-62



Code 62 SAE ends for vessel connection and shut-off

SERIES H7 with
RTJ END CONNECTION



Transition Valve
RTJ end X Threaded end

SERIES H7 with
COMPRESSION ENDS



Compatible with all leading instrument fittings

- High pressure to 6000 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
- Actuator accepts CNG as the pressure media

VALVES FOR THE ENTIRE PROCESS



SVF Flow Controls 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.

SVF Flow Controls flanged valves are available in Stainless Steel or Carbon Steel, Full Port 1/2" ~ 8"

**SERIES B41C
ANSI CLASS 150**



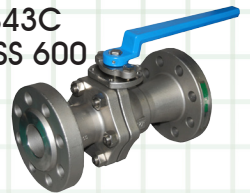
Direct
Mount

**SERIES B42C
ANSI CLASS 300**



Direct
Mount

**SERIES B43C
ANSI CLASS 600**



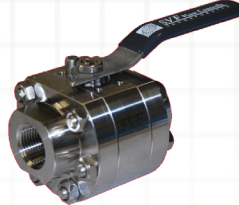
- Standard Fire Safe Certification to API 607, Anti-Static
- Standard NACE MR 0175
- Live-loaded stem packing ensures seal-tight pressure containment even under thermal cycling.
- Blowout proof stem adds safety and reliability.

High Pressure Valves for CNG Fueling Equipment & Station Design



**SERIES P4
5000 psi**
1/2" P4 rated at
5500 psi.
Compact & ideal
for dispenser
applications

- Standard seat material is Delrin®
- Blowout proof stem adds safety & reliability
- Live-loaded stem packing ensures seal-tight pressure containment
- Three-piece "swing out" design offers easy access for in-line maintenance



**SERIES H7
6000 psi**
Available in
Stainless Steel
or Carbon Steel

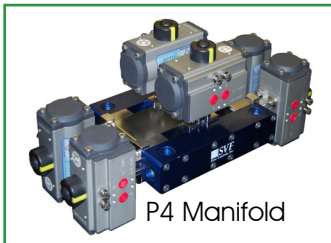
- Three-piece "swing out" design offers easy access for in-line maintenance
- Live-loaded stem packing ensures seal-tight pressure containment
- Standard seat material is Delrin®
- 1/2" & 1" valves available with SAE Threaded Ends (Specification J1926)



**SERIES HBEV
6000 psi**
Seal Welded
Stainless Steel
Construction

- Fire Safe certification to API-607
- Live-loaded stem packing ensures seal-tight pressure containment
- ISO 5211 mounting pad
- Seat materials: Delrin® with SE valves, PEEK with SW valves.
- 1/2" & 1" valves available with SAE Threaded Ends (Specification J1926)

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



P4 Manifold

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.