ANDERSON GREENWOOD P62 PRIMARY ISOLATION VALVES

An integral one-piece block and bleed root valve assembly for primary isolation of pressure take-offs, with screwed or welded connections

FEATURES

- One-piece forged body combines a compact design with strength and reduced potential leak paths compared to conventional designs.
- Threaded or welded inlet connection allows direct connection to a pressure vessel without the need for a flanged connection.
- Camlock safety feature on threaded outlet connections prevents accidental loosening in service.
- Primary isolation ball valve is precision machined and super finished for high performance pressure and temperature ratings. Designed to be fire safe and anti-static.
- Heavy duty needle type globe valve, graphite packed as standard, ensuring bubble-tight shut-off on venting port.
- Firesafe design to meet API 607, BS6755 Part 2 (optional).

GENERAL APPLICATION

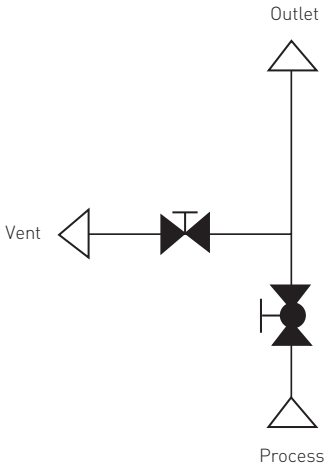
Suitable for block and bleed applications on pressure and flow measurement services where the valve is either screwed or welded directly into the process pipe or vessel without the need for a flanged connection. Instruments may be mounted directly to the valve outlet or remotely with gauge lines/impulse pipe work.

TECHNICAL DATA

Materials:	CS, SS, Duplex
Seats:	Metal and soft
Connections	
Inlet:	½" NPT; welded ½" to 2"
Outlet:	½" NPT
Pressure (max.):	10000 psig (690 barg)
Temperature (max.):	400°F (204°C)

PRODUCT OVERVIEW

The P62 features a ⅜" (10 mm) bore ball valve for isolation service with a 0.2 inch (5 mm) bore 'HD' globe style needle valve for venting service.



General notes
Standard pressure testing to EN 12266-1.

Standard material traceability to EN 10204 3.1 (body only).

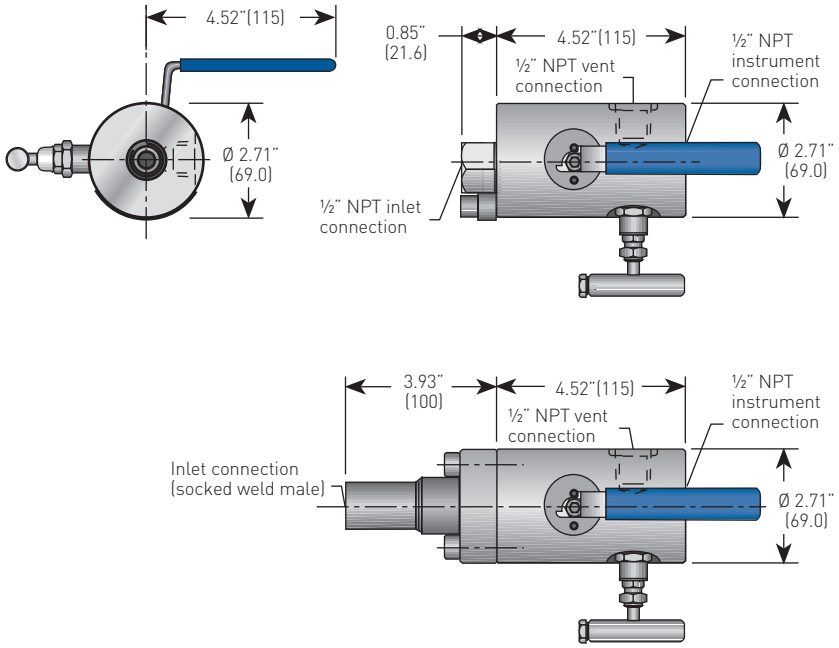
Material thickness to ANSI B16.34.

VALVE BODY - MATERIAL CODES

Description	C	S	D
Valve body	220M07	316 S11	UNS-31803

NOTE
Carbon steel valve bodies are zinc plated and passivated as standard.

Dimensions, inches (mm)

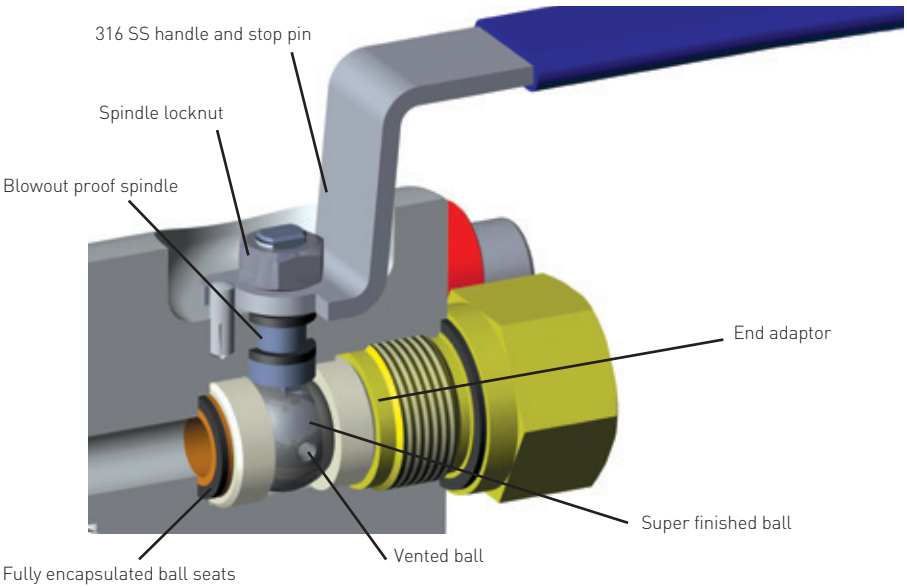


NOTE
Valve weight 10.3 lb (4.7 kg)

QUARTER TURN BALL VALVES

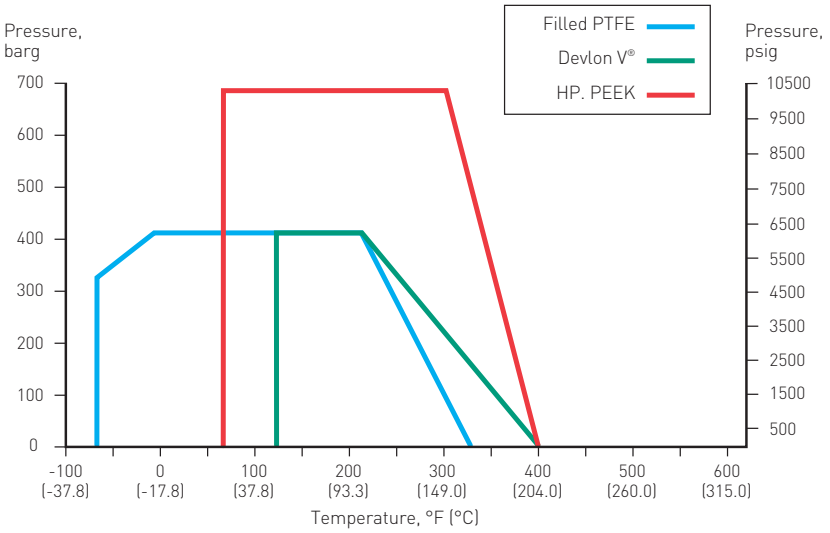
Unidirectional quarter-turn ball valves have a straight through, roddable ⅜" (10 mm) bore. Their super-finished ball provides low operating torque and long life and is vented to provide upstream cavity relief. They offer a choice of filled PTFE, Devlon V or Peek ball seats which are fully-supported to minimize seal extrusion and allow high working pressures with end adaptor threads being fully isolated from the process by primary and secondary static seals. Each valve features a blowout-proof one piece stem with a vibration-resistant locking nut and a strong, corrosion-resistant stainless steel handle and stop pin as standard.

- Pressure rating: up to 10000 psig (680 barg)
- Temperature rating: -70.6°F to 400°F (-57°C to +204°C)



PRESSURE AND TEMPERATURE RATINGS

KEYBLOK



NOTE

Devlon V® is a registered trademark of Devol Engineering Ltd.

BALL VALVE COMPONENTS - TRIM CODES

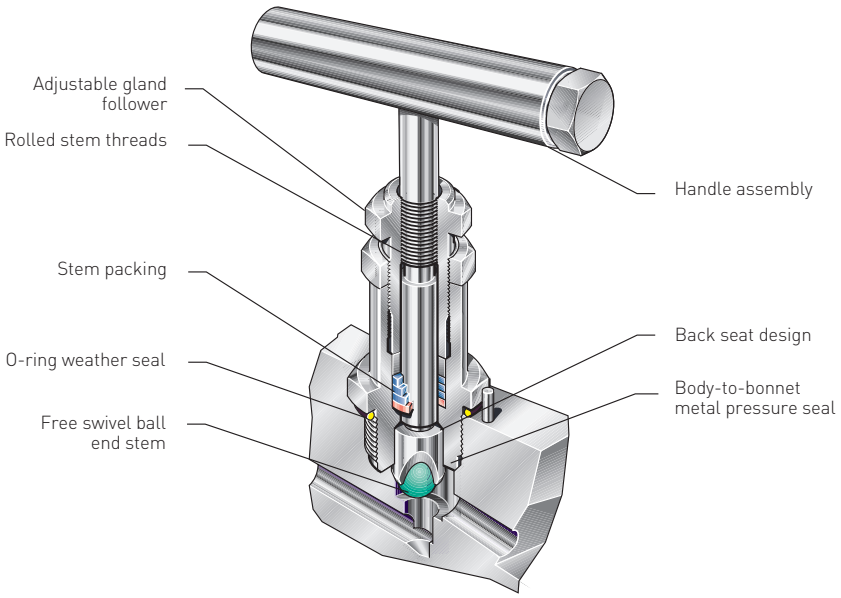
Item	Description	S	D
1	Handle/stop pin	316 SS	316 SS
2	Stem seal (2 off)	Graphite	Graphite
3	Ball seat	PTFE, Devlon® or PEEK	PTFE, Devlon® or PEEK
4	Housing static seal	Graphite	Graphite
5	Seat housing	A276-316	A276-31803
6	Ball	A479-316	A479-31803
7	Primary static seal	Graphite	Graphite
8	Secondary static seal	Graphite	Graphite
9	Locknut	316 SS	316 SS
10	Spindle	A479-316	A479-31803

STANDARD TRIM COMBINATIONS

Body	Trim
C	S
S	S
D	S
D	D

'HD' NEEDLE-TYPE GLOBE VALVE

The HD needle-type globe valve has a rotating stem with a free-swivel ball-end seat for repetitive bubble-tight shut-off and rolled threads for low operating torque, located above the spindle packing and isolated from the process. The stem seal is either graphite or PTFE rings and a backseat design provides secondary stem sealing and prevents stem blowout. A body-to-bonnet metal pressure seal below the threads prevents corrosion and ensures the bonnet threads are in loaded compression for additional strength and an O-ring weather seal protects bonnet retention threads from harsh environments. An adjustable gland follower allows easy access to adjust the packing gland and the valve features a lockable T-bar handle with locking bolt to secure it firmly on the stem.



'HD' NEEDLE TYPE GLOBE VALVE COMPONENTS - TRIM CODES

Item	Description	S	D
1	Gland follower	Austenitic SS	A276-31803
2	Stem	A479-316	A47931803
3	Locknut	Austenitic SS	Austenitic SS
4	Stem packing	PTFE or graphite	PTFE or graphite
5	O-ring weather seal	Buna-N Nitrile	Buna-N Nitrile
6	Ball (stem tip)	316 SS	Ceramic
7	Bonnet locking pin	Austenitic SS	Austenitic SS
8	Handle assembly	Austenitic SS	Austenitic SS

SELECTION GUIDE

Example:						P62	N	C	S	-047B	-047B	PV
Manifold type												
Ball valve type												
P62 threaded x threaded block and bleed												
P621 threaded x threaded block and bleed - 10.000 psi (PEEK seat and PTFE packing as standard)												
Ball valve seat material												
Ball valve type												
V	Filled PTFE											
E	PEEK											
N	Devlon V®											
Body material												
C	CS 220 M07											
S	SS 31611											
D	Duplex UNS S31803											
Trim material												
S	SS 316	**Standard trim combinations**										
D	Duplex	C and S body = S trim, D body = duplex trim										
Inlet connection												
04	½ NPS	**2**	Male	**B**	NPT							
06	¾ NPS	**7**	Female	**C**	Butt weld (XXS)							
08	1 NPS			**D**	Socket weld (XXS)							
Outlet connection												
04	½ NPS	**2**	Male	**B**	NPT							
06	¾ NPS	**7**	Female	**C**	Butt weld (XXS)							
08	1 NPS			**D**	Socket weld (XXS)							

Options

MP04	Multiport outlet ½" NPT
QV	¼" NPT (f) vent
PO	Plugged outlet
KFGTX	Kidney flange adaptor
SS	Full 316 SS trim
PV	Plugged vent
VO	Vent option (please specify compression fittings, if required)
BVL	Lockable ball valve handles (specify number required)
CB	Ceramic ball tip (vent valve only)
AT	Anti-tamper vent (needle valve only)
ST	Stellite ball tip (vent valve only)
SG	NACE MR0175 latest revision
PT	PTFE packed needle valve