

PROCHEM

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VALVES AND ACTUATORS

AGCO



PIPING PRODUCTS



INSTRUMENTATION



VALVES AND ACTUATORS



MANUFACTURING



INDENT SERVICE

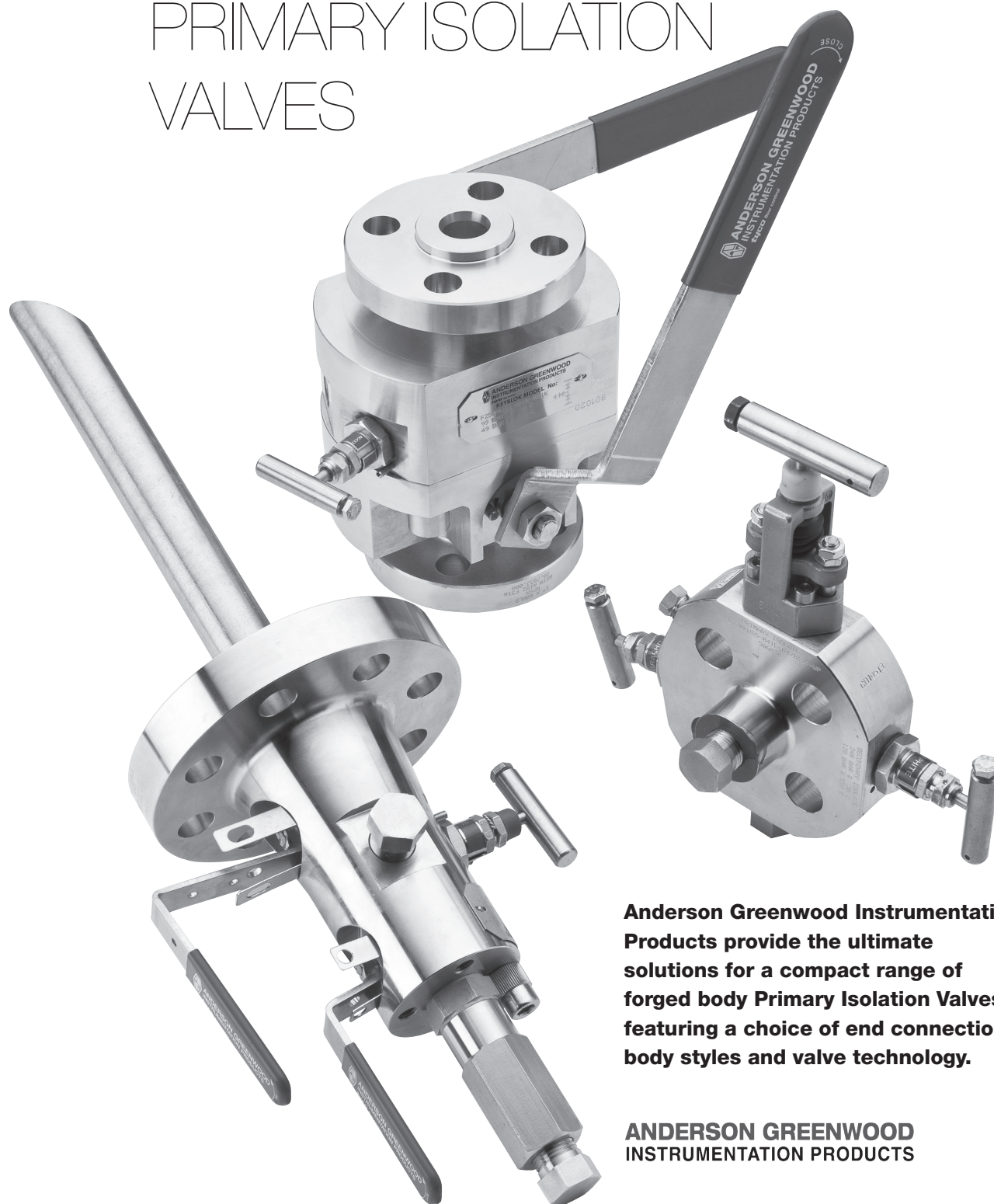


HYDRAULIC



Anderson Greenwood

PRIMARY ISOLATION VALVES



Anderson Greenwood Instrumentation Products provide the ultimate solutions for a compact range of forged body Primary Isolation Valves, featuring a choice of end connections, body styles and valve technology.

**ANDERSON GREENWOOD
INSTRUMENTATION PRODUCTS**



KEYBLOK LARGE BORE

The Keyblok Large Bore is an innovative range of two piece Primary Isolation double block and bleed valves. With sizes up to 80 mm (3") and pressures up to Class 1500 the design offers double the safety of a single isolate valve but does this within the same face to face dimension. The large bore design is ideal for dirty service where blockage is of concern and for vessel measurement/diaphragm seal/flow type applications.



KEYBLOK

The range of primary isolation double block and bleed valves meets both instrument and piping engineers' specifications, offering significant savings on space, weight, installation and cost. Suitable for line isolation, sample connectors and chemical injection service, Keyblok manifolds use ball valves, outside screw and yoke (OS&Y) bonnets and threaded bonnet instrument valves, and are available with a full range of threaded and flanged connections up to API 10K. Bore size range is 10 mm to 19 mm.



MONOFLANGE

The Monoflange manifolds can be mounted directly onto vertical or horizontal flanged connections, allowing a gauge to be kept in an upright position. Suitable for both primary isolation (double block and bleed) and instrument (block and bleed, block) duties, the Monoflange provides isolation, venting and instrument mounting in a single compact unit. The designs incorporate safety features that limit vibration and reduce the overall height of a gauge installation. Bore size is 5 mm.



ROOT VALVE

Root Valves are an integrally forged one-piece double block and bleed assembly for primary isolation of pressure take-offs where the valve is either screwed or welded directly into the vessel or process pipe without the need for a flanged connection. Instruments may be directly mounted to the valve outlet or alternatively remotely mounted with gauge lines/impulse pipe work. Bore size range is 5 mm to 10 mm.

PRIMARY ISOLATION VALVE Applications

All Anderson Greenwood Instrumentation Products Primary Isolation Valves are designed to comply with the following code requirements:

- ANSI/ASME B16.34 Material wall thickness
- ANSI/ASME B16.5 Flange dimensions
- ANSI/ASME 8 Design procedures and materials
- ANSI/ASME B1.20.1 National pipe threads
- API 607/BS6755 Fire tested



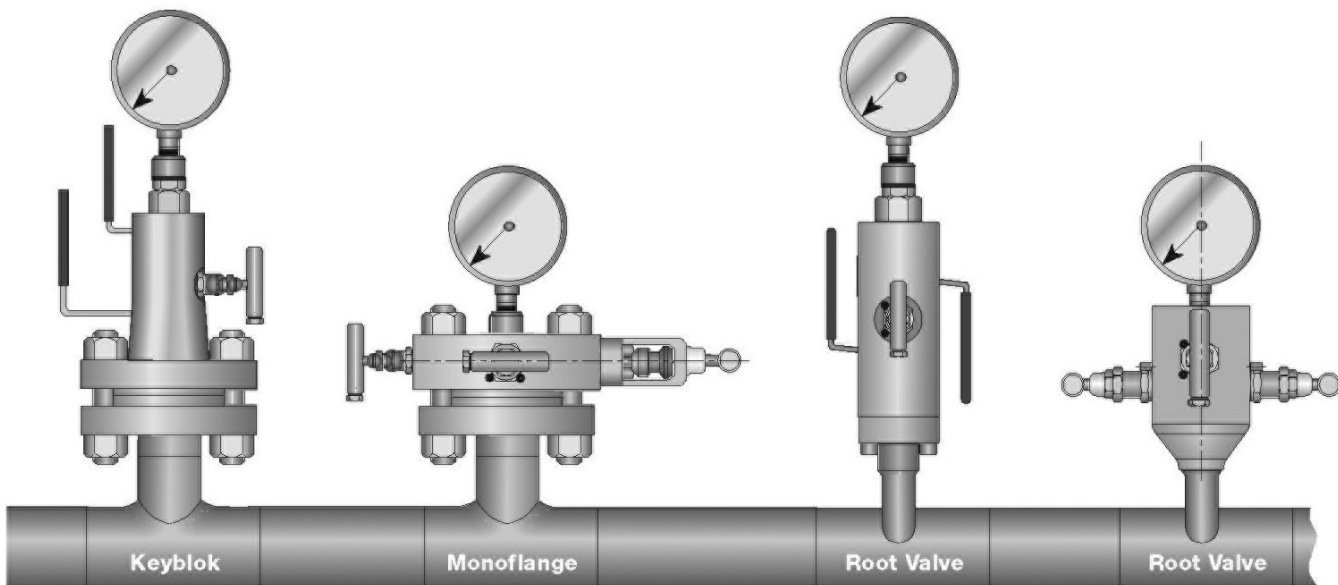
Applications

- Double block and bleed instrument isolation
- Gauge isolation
- Instrument drain
- Chemical injection connection
- Sample connections
- Chemical seat instrument isolation
- Piping/instrument interface
- Direct mounting of instruments
- Remote mounting of instruments

Advantages

Advantages gained by installing Anderson Greenwood Instrumentation Products Keyblok and Monoflange Primary Isolation Valves, based on a typical ANSI 25 mm (1"), Class 1500 one-piece integrally forged valve:

- Reduced weight – 7.0kg (15.4lb)
- Reduced height – 250.0 mm (10 inches)
- Reduced leakage points
- Reduced effect of system vibration
- Supporting brackets are not required
- Reduced bending moment acting on the vessel branch fitting weld
- Reduced installation cost
- Reduced gaskets and bolting



KEYBLOK

- Ball and Globe Style Needle Valves
- Flanged and Threaded Connections
- Integrally Forged Body

MONOFLANGE





- Globe Style Needle Valves
- Flanged and Threaded Connections
- Slimline Integrally Forged Body

ROOT VALVE

- Ball or Globe Style Needle Valves
- Welded or Threaded Connections
- Integrally Forged Body

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