



GAUGES VALVES

SERIES 10 LT:

These valves are of straight body type and are primarily used for tubular type level gauges for low pressure & temperature applications. PTFE valve cone at the stem tip ensures zero leakage when closed. Standard connections are as follows:

Vessel: $\frac{3}{4}$ NPT male ; Drain: $\frac{3}{4}$ NPT female ; Gauge: $\frac{3}{8}$ NPT female

OPTIONAL CONNECTIONS:

Vessel: $\frac{1}{2}$ NPT male ; Vent and Drain: $\frac{1}{4}$ NPT plugged

SERIES 10S:

This series of valves is manufactured using drop forged steel bodies, stainless steel trim with a variety of connection options. They are equipped with union gauge connections which permits simple installation and easy access to ball check arrangement.

SERIES 10U:

This series of valve have a union bonnet, regrindable and renewable seat, stem back seating arrangement and completely rust proofed parts for longer service life. Union gauge connection enables the valve to be turned to any desired angle for ease of installation and maintenance.

SERIES 10B:

This series of valves are designed with a bolted bonnet, stainless steel ball check, stem back seating and straight/ offset construction. These can be furnished with union gauge connection for easy installation and maintenance of the connected gauge.



PRESSURE RATINGS:

MODEL	1000 F	7500 F
SERIES 10S	2400 LBS	1400 LBS
SERIES 10U	4000 LBS	1500 LBS
SERIES 10B	4000 LBS	1500 LBS
SERIES 10 LT	100 LBS	NA

MATERIAL OF CONSTRUCTION:

SERIES 10LT

PART NAME	MOC
Valve body	A-105/ F-316L
Valve washer	Teflon
Stem	SS-304
Stem packing washer	SS-316
Stem packing	Grafoil
Packing nut	Steel
Handwheel	Zinc
Stem nut	Steel
Ball Check	SS-316
Ball check stop	SS-304
Washer	SS-304
Glass packing	EPDM
Packing gland	Steel
Glass packing nut	Steel
Mounting clamp	Steel
Plug	Steel

SERIES 10S

PART NAME	MOC
Valve body	A-105/ F-316L
Spindle	SS-316L
Gland stopper	SS-316
Packing ring	Graphite
Gland follower	SS-316
Gland nut	Steel
Handwheel	WCB
Handwheel nut	Steel
Ball	SS-316
Ball stopper	SS-304
Tail piece	Steel
Union nut	Steel



SERIES 10U

PART NAME	MOC
Valve body	A-105/ F-316L
Renewable seat	SS-316
Spindle	SS-316L
Gland stopper	SS-316
Packing ring	Graphite
Gland follower	SS-316
Gland nut	Steel
Handwheel	WCB
Bonnet nut	Steel
Bonnet	steel
Handwheel nut	Steel
Ball	SS-316
Ball stopper	SS-304
Tail piece	Steel
Union nut	Steel

SERIES 10B

PART NAME	MOC
Valve body	A-105/ F-316L
Renewable seat	SS-316
Spindle	SS-316L
Bonnet gasket	SP wound or SS 316+ Grafoil
Bonnet	A-105/ F-316L
Gland stopper	SS-316
Packing ring	Graphite
Gland follower	SS-316
Gland nut	Steel
Handwheel	WCB
Bonnet nut	A-194 GR. 2H
Bonnet stud	A-193 GR. B7
Handwheel nut	Steel
Ball	SS-316
Ball stopper	SS-304
Tail piece	Steel
Union nut	Steel

STANDARD FEATURES for Series 10S, 10B and 10 U valves

BACKSEATING STEM:

When the valve is opened to its limit, the stem seats against the bonnet allowing the valve to be repacked while under pressure.

STRAIGHT BODY OR OFFSET BODY PATTERN:

In the straight body pattern, the gauge, drain and vessel connections are on intersecting centerlines.

In the offset body pattern, the centerline of the gauge and the drain connections are offset by 22mm from the centerline of the vessel connections.

UNION GAUGE CONNECTION:

The union gauge connection allows a top and bottom connected gauge to be turned to any desired angle for convenient visibility. It also enables the removal of the gauge without removing the valves.

Standard connections:

Vessel: ¾ NPT male

Drain: ½ NPT female

Gauge: ½ NPT female

Optional connections are also available on request.

SAFETY SHUT-OFF:

Valves may be provided with stainless steel ball check which instantaneously shuts off flow of the medium being gauged in the event of glass failure. The ball operates upstream from the seat and can be furnished for vacuum seating if required.