Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure

6000, 10,000 psig 414, 690 bar

Design Proof Pressure

150% maximum rated

Leakage

Bubble-tight

Ambient Operating and Fluid Temperature

-40°F to 165°F / -40°C to 74°C

Flow Capacity

See table on back page

Maximum Operating Torque

See table on back page

MEDIA CONTACT MATERIALS

Body

316 Stainless Steel

Seat

30-1100 and 30-1300: Filled Nylon (Nylatron®)

30-1200 and 30-1400: PCTFE

O-Rina

Nitrile, Buna-N

Back-up Ring

30-1100: PCTFE

30-1200: 15% graphite filled Teflon® 30-1300 and 30-1400: PTFE

Remaining Parts

316 Stainless Steel, 17-4 PH Stainless Steel

OTHER

Cleaning

CGA 4.1 and ASTM G93

Weight

See table on back page

Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.









30-1400

TESCOM 30 Series shut-off valves are high pressure, high flow applications up to 10,000 psiq / 690 bar and offer $C_V = 0.28-20.0$. The 30 Series offer globe and angle pattern bidirectional flow, soft seat and built-in metallic stop.

Applications

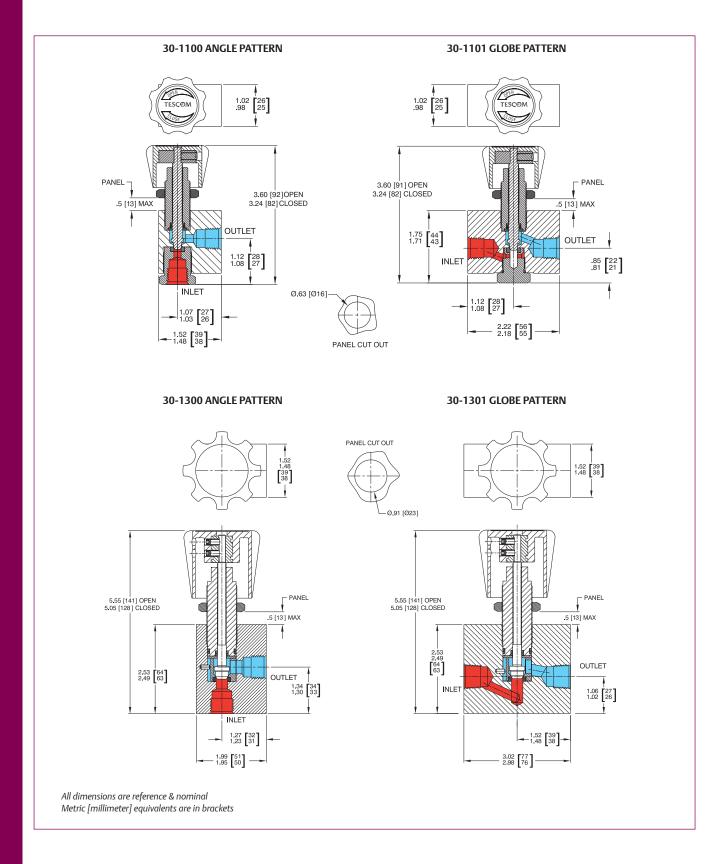
- GSE support pressure panels
- Instrumentation pressure panels and manifolds
- Research and Development labs
- Gas analysis sampling systems

Features and Benefits

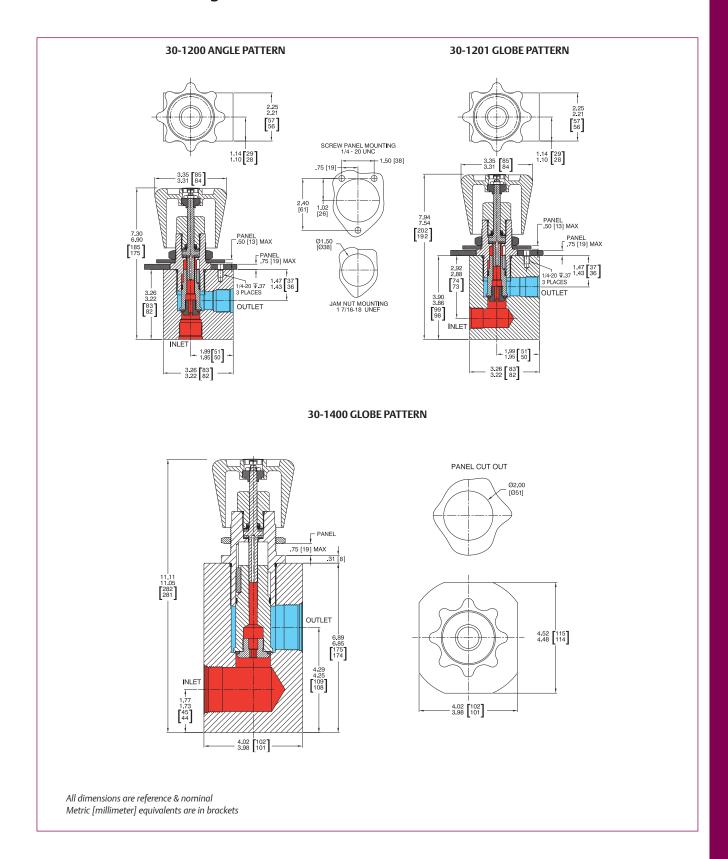
- 6000 and 10,000 psig / 414 and 690 bar capability
- $C_V = 0.28$ through 20.00
- Globe or angle configuration
- Port sizes available from 1/4" to 1-1/2"
- Low operating and shut-off torque at high pressures
- Bidirectional liquid or gas service
- · Soft seat insures bubble-tight shutoff

30 SERIES

30 Series Valves Drawing



30 Series Valves Drawing



30 SERIES

30 Series Valves Part Number Selector

Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.

Example for selecting a part number:

30-11 0 1 - 2 04

BASIC SERIES	VALVE STEM TYPE	PATTERN TYPE	INLET AND OUTLET PORT TYPE	INLET AND OUTLET PORT SIZE
30-11 – 30-1100	0 – Shut-off (Standard)	0 – Angle ²	0 – BSP ¹	04 – 1/4" (30-1100)
10,000 psig 690 bar	1 – Metering (optional on 30-1100 only)	1 – Globe	1 – SAE ²	06 – 3/8" (30-1100 ³ , 30-1300)
30-12 – 30-1200			2 – NPTF ²	08 – 1/2" (30-1300)
6000 psig 414 bar			3 – MS33649	12 – 3/4" (30-1200)
30-13 – 30-1300 10,000 psiq			6 – Medium Pressure ¹	16 – 1" (30-1200)
690 bar		1. Available on	,	24 – 1-1/2" (30-1400)
30-14 – 30-1400 6000 psig 414 bar		2. Not available in a	e on 30-1400 Globe Pattern only	

SERIES	PATTERN	C _ν	WEIGHT	CONTROL TORQUE
30-11X1-XXX	Globe	0.28	1 lb / 0.5 kg	15 in-lbs / 1.7 N∙m
30-11X0-XXX	Angle	0.49	3/4 lbs / 0.3 kg	15 in-lbs / 1.7 N∙m
30-1301-XXX	Globe	1.57	3-1/4 lbs / 2 kg	25 in-lbs / 2.8 N•m
30-1300-XXX	Angle	2.30	2-1/4 lbs / 1 kg	25 in-lbs / 2.8 N•m
30-1201-XXX	Globe	8.00	8 lbs / 4 kg	35 in-lbs / 4.0 N∙m
30-1200-XXX	Angle	10.00	7-1/4 lbs / 3 kg	35 in-lbs / 4.0 N∙m
30-1400-XXX	Globe	20.00	30 lbs / 14 kg	35 in-lbs / 4.0 N∙m