Valves



Premium quality, high cycle life.





Our high cycle life valves will keep your system running!

TESCOM[™] makes an extensive line of highly reliable valves, setting new standards in the number of on-off cycles achieved.

- We never use castings. Our entire valve line is precision machined from bar stock.
- Extra features like a balanced main valve and seat-saving metal stops make TESCOM valves extremely durable in the most demanding applications.
- Our VA valve was named "Breakthrough Product of the Year" by a leading trade publication.
- In an independent application test, one of our standard valves achieved over 250,000 cycles: 128 times the life of the big-name brand used originally (details on file).



Standard, modification or custom – we'll find the solution!



TESCOM standard valves are only a starting point...



VA ON/OFF Valve

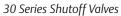


VG ON/OFF Valve (solenoid option shown)



VT 3-Way Valve

Product Series/Features	Operating Pressure	Flow Capacity (maximum)	Body Material
VA & VG Series: Air Operated ON/OFF Valv	es		
 Normally open or normally closed Very high cycle life Balanced main valve - reduces required actuation pressure (30-60 psig/2-4 bar) Oxygen tested models available Toggle actuator optional Compact package 	6000, 10,000, 15,000, 20,000 psig 414, 690, 1035, 1380 ba	VA: C _V = .75 VG: C _V = 2.0	Brass or 316 SST
VT Series: 3-Way Valve • High cycle life in a compact design • Balanced main valve • 3 way, 2 position • Universal operation • Solenoid valve optional • Pneumatic & hydraulic applications	10,000, 6000, 3500 psig 690, 414, 241 bar	C _V = .75	Brass or 316 SST
 30 Series: Shutoff Valves Globe or angle Pattern Built-in metallic stop prevents over-torquing reduces seat wear 30-1100 Series: available with metering capability (long stem optional) Bi-directional flow (all models) 	10,000 psig 690 bar	30-1100 globe: $C_V = .28$ 30-1100 angle: $C_V = .49$ 30-1300 globe: $C_V = 1.57$ 30-1300 angle: $C_V = 2.30$ 30-1200 globe: $C_V = 8.0$ 30-1200 angle: $C_V = 10.0$ 30-1400 globe: $C_V = 20.0$	300 SST











Don't see what you need? Call our application engineers at 800-447-1250. We may already have the exact modification you're looking for... or we'll create one to suit your needs!

The possibilities are endless!



VJ Bi-directional Valve



VK Block and Bleed



VN Y-Pattern Valve



VU 3-Way Valve



CC Metering Valve



30 Series Cartridge Valve

	Operating		
	Pressure		Body
Product Series/Features	(maximum)	Flow Capacity	Material
VJ Series: Low Flow/Bi-directional			
 Versatile bi-directional flow 	6000,	C _V = .49 (angle)	Brass or
High pressure, low flow valveBuilt-in metallic stop	10,000 psig 414, 690 bar	$C_V = .28 \text{ (globe)}$	316 SST
• Designed to be O ₂ compatible	414, 030 Dai		
VK Series: Block and Bleed			
 Allows construction or repair along a pressurized line Allows residual downstream pressure to bleed to zero Low operating torque High cycle life 	10,000, 6000 psig 690, 414 bar	C _V = .28	Brass or 316 SST
VN Series: Y-Pattern			
Optimal full path	10,000 psig	$C_V = 20.0$	316 SST
Low torque handknobReplaceable soft seats	690 bar		
Grayloc® hub connections available			
VU Series: 3-Way Valve			
High cycle life in a compact design	10,000, 6000,	$C_V = 2.0$	Brass or
Balanced main valve3 way, 2 position	3500 psig 690. 414.		316 SST
Universal operation	241 bar		
Solenoid valve optional Droumatic & budgaulic applications			
Pneumatic & hydraulic applications			
CC Series: Metering Valves			
Precise control at very low flowsFor liquid or gas applications	Full vacuum to 10,000 psig	$C_V = .00005$ $C_V = .00125$	316 SST
• 20+ turns from shutoff to full open	690 bar	OV 100120	
Non-rotating stem reduces seat wear			
Cartridge Valves			

Cartridge Valves

- Externally threaded and designed to be easily installed in a manifold block
- Reduces piping and eliminates connections
- Reduces space requirements and makes servicing easier
- Can be furnished in a wide variety of valve styles
- Contact factory for application assistance



VA Series Cartridge Valve





Custom Assemblies, Manifolds & Systems

TESCOM is an experienced provider of high quality manifolds, custom assemblies and systems for control of pressure and flow. We can simplify your existing system or create a new one to meet your needs.

TESCOM provides:

- The know-how and experience to integrate components manufactured by others. Get one-on-one engineering support to find the best solution!
- An extremely large selection of existing valves, regulators and flow components: pressure ranges from vacuum to 30,000 psig / 2070 bar.
- A wide array of dome and air-loaded regulators combined with electronic pressure controllers to automate pressure routines and data acquisition.
- Integrated electronics and custom software.



High pressure valve manifold used to calibrate transducers



Made-to-spec valve & regulator hydraulic control panel

Panel used in a fueling application includes valves, regulators & integrated electronics





Aircraft charging cart manifold panel incorporates VA cartridge style valves with lever actuation



An innovator in pressure control for over forty years!

TESCOM serves many industrial markets. Distributor support centers are located in major cities worldwide, providing application assistance and quality TESCOM product.

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