

Wherever perfect sealing is required,
the proven reliability of Circle Seal precision valves
provides the one complete answer —
a combination of absolute leakproof sealing when closed
and virtually maintenance-free operation.

CIRCLE SEAL

CONTROLS



Drain Valves, Manual

TYPICAL TECHNICAL CHARACTERISTICS

Part Number	P-394	P3-394	P5-394
Service	Fuel, water	Air, Engine Oil	Fuel, water
Operating Press.	0-60 psi	0-50 psi	0-60 psi
Operating Temp.	-65 to 180°F	-65 to 275°F	-65 to 165°F
Material—Body	Aluminum	Aluminum	Aluminum
—Seal	MIL-P-5315	MIL-P-25732	MIL-P-5315
Connection	9/16-18*	MS33515S-4	Flush mounted
Actuation	Push to bleed turn to lock release to seal	Push to bleed Release to seal	Push to bleed turn to lock

* MS33656-6 modified and without cone point.

TYPICAL APPLICATIONS

- (1) Draining fuel cell.
- (2) Draining water from low points in fuel lines.
- (3) Draining external fuel tanks.
- (4) Draining oil from engine air compressor.

TYPE OF VALVE

A manually actuated drain valve, primarily for fuel service, basically designed to meet the functional requirements of MIL-V-25023.

PURPOSE

Manual drain of low point in fuel cell and fuel lines (or other liquid system) to drain water out of system or to drain system partially or completely.

OPERATING CHARACTERISTICS

When valve is closed, "floating" poppet establishes line of contact sealing with "O" Ring, insuring dead tight seal.

Valve can be actuated with finger from one side — to prevent fuel draining down operator's arm.

Simple quarter turn locks valve open, releases valve to close.

Foreign material washes through valve without restriction.

Location of seat near outlet permits ready removal of string or lint.

Standard "O" Rings are used.

Seal is readily removable for routine replacement.

Free flow passage permits rapid draining.

Flush drain types drain to skin.



CIRCLE SEAL CONTROLS, INC.

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DRAIN VALVES, MANUAL

TYPE OF VALVE

Drain Valve, Fuel.

PURPOSE

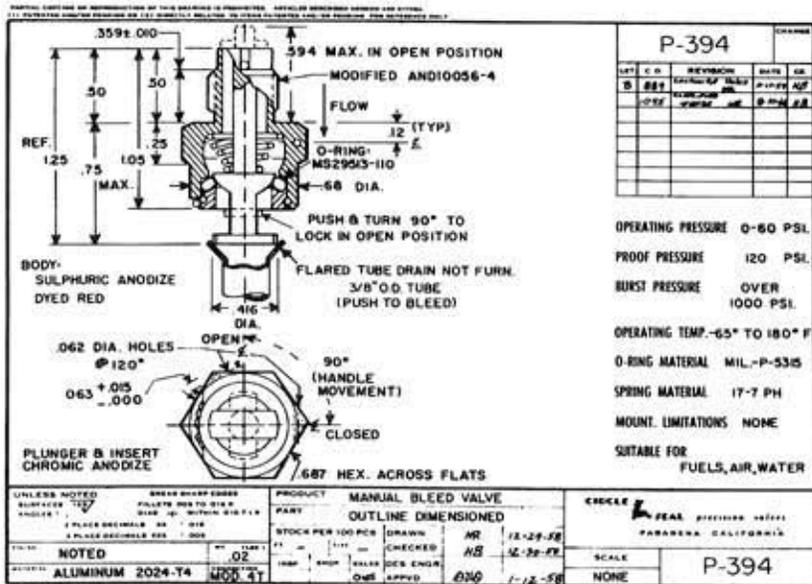
Draining water out of fuel cells or low points in fuel system or draining fuel lines.

OPERATING CHARACTERISTICS

Push to open, quarter turn to lock. Quarter turn to release for automatic closing. "O" Ring seal prevents leakage. When valve is open, contaminants wash out freely (stringy foreign material can be pulled out if necessary.) Designed to meet requirements of MIL-V-25023.

TYPICAL APPLICATIONS

Draining water out of fuel lines and air conditioning lines and ducts.



TYPE OF VALVE

Drain Valve, Air or Oil.

PURPOSE

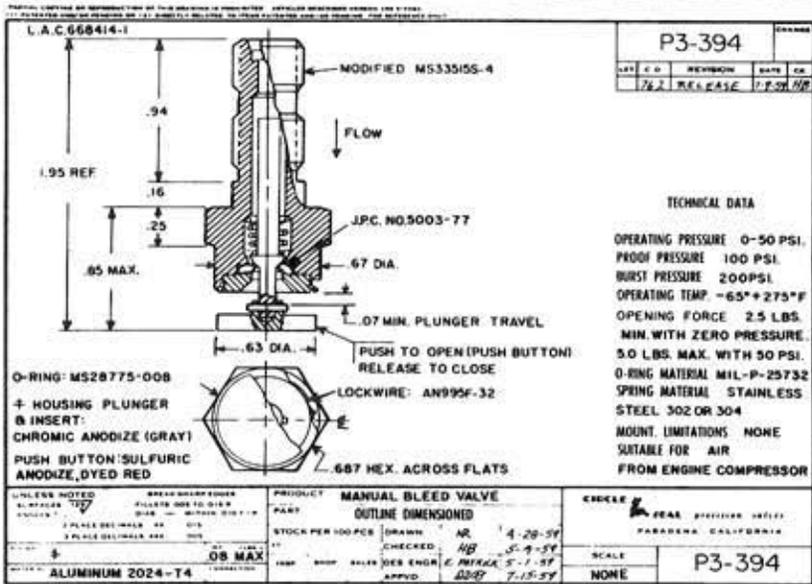
To bleed off air pressure or to drain oil from system.

OPERATING CHARACTERISTICS

Valve is normally closed. Manual pressure on the push button unseats the poppet allowing virtually unrestricted drain flow or bleed. When the push button is released, the poppet automatically reseats dead tight.

TYPICAL APPLICATIONS

Air pressure bleed in hydraulic reservoir air pressurization system.



TYPE OF VALVE

Flush Mounted Fuel Drain Valve.

PURPOSE

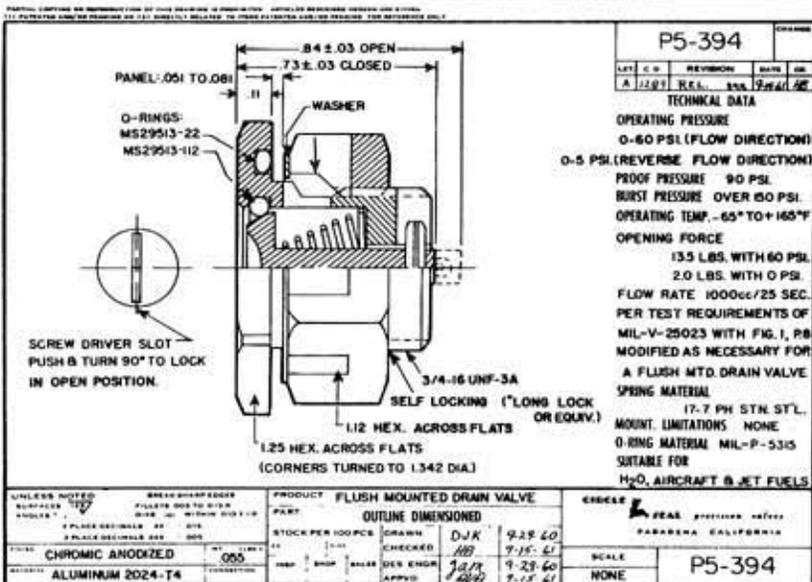
To drain water or fuel.

OPERATING CHARACTERISTICS

Push to open. Quarter turn to lock. Quarter turn to release for automatic closing. "O" Ring seal prevents leakage. When valve is open, contaminants wash out freely (stringy foreign material can be pulled out if necessary.) Design permits drawing to the skin.

TYPICAL APPLICATIONS

Water or fuel drain of external fuel tanks or "wet skin" fuel cells. Approved for MIL-V-25023.



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