

DATA SHEET

EASY START VALVE



Brass Model: 7126



SPECIFICATIONS	U.S. Measure	Metric Measure
Maximum Flow	8.0 gpm	30 l/min
Maximum Pressure	4050 psi	280 bar
Opening Pressure	105 psi	7.25 bar
Maximum Temperature	176°F	80°C
Inlet Port	3/8" NPT(M)	3/8" NPT(M)
Barb	1/4"	1/4"
Weight	4.9 oz.	0.14 kg
Dimensions	1.93 x 0.87 x 1.63"	49 x 22 x 41.5 mm

FEATURES

- Allows engine-driven pressure washers to start more easily by relieving built-up pressure in pump.
- Bypasses pump discharge line pressure during engine startup.
- Automatically closes once engine is running.
- Bypass routing either to the pump inlet or to a drain.
- Stainless steel ball, seat and spring provide corrosion resistance, positive seating and long life.

SELECTION

The Easy Start Valve is designed to minimize the system startup pressure, allowing the engine to continue to turn over if start-up is not achieved on initial pull. It should be used with a pressure-sensitive regulating unloader.

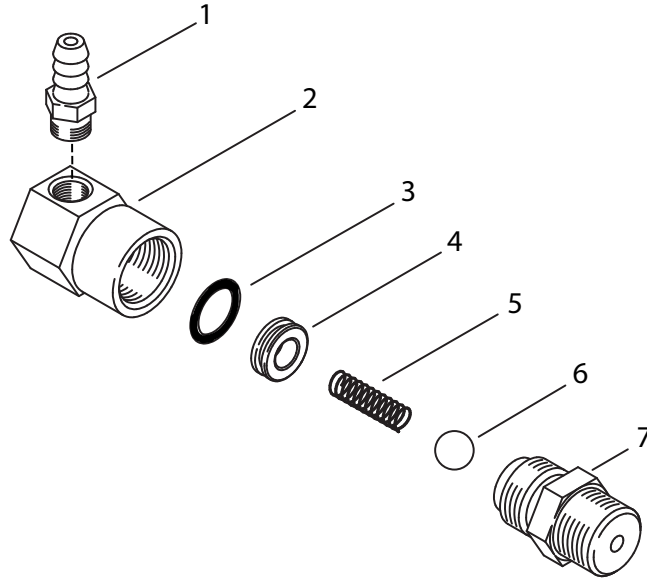
INSTALLATION

The Easy Start Valve should be installed downstream from a pressure-sensitive unloader. It may be installed either before or after a pressure regulator. It is not required in systems using a flow-sensitive unloader as startup will already occur at low pressure.

OPERATION

Before startup, connect a small hose to the barb and plumb back to the pump inlet or drain to the ground. Upon startup, the Easy Start Valve senses the line pressure. The ball is forced off the seat and allows a small amount of fluid to bleed off, permitting the pump and engine to startup under minimal load.

EXPLODED VIEW



PARTS LIST

ITEM	P/N	MATL DESCRIPTION	QTY
1	33922	BB Barb, Hose [$\frac{1}{8}$ " NPT(M) x $\frac{1}{4}$ " Hose Barb]	1
2	—	BB Body	1
3	—	NBR O-ring, Seat	1
4	—	NBR Seat with O-ring	1
5	—	S Spring, Ball	1
6	32289	SSSS Ball, Seat	1
7	31930	BB Fitting, Inlet [$\frac{3}{8}$ " NPT(M)]	1

Material Codes (Not Part of Part Number):

BB=Brass NBR=Medium Nitrile S=304SS SS=316SS SSSS=440SS

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SOLUTION
Low pump pressure	Valve seat or ball sticking	Clean internal valve components of debris or mineral deposits
	Valve seat or ball worn	Replace valve
Water leaking between inlet fitting and valve body	Loose fitting, or worn thread sealant	Reapply PTFE thread tape or pipe thread sealant

⚠ CAUTIONS AND WARNINGS

All high-pressure systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. Cat Pumps does not assume any liability or responsibility for the operation of a customer's high-pressure system.

Read all CAUTIONS and WARNINGS before commencing service or operation of any high-pressure system. The CAUTIONS and WARNINGS are included in each Service Manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.com/dynamic-literature/cautions-and-warnings or can be requested directly from Cat Pumps.

WARRANTY

View the Limited Warranty on-line at www.catpumps.com/literature/cat-pumps-limited-warranty