



Automatic/Timed Solenoid Valve



An O'Keefe Controls Company

DESCRIPTION

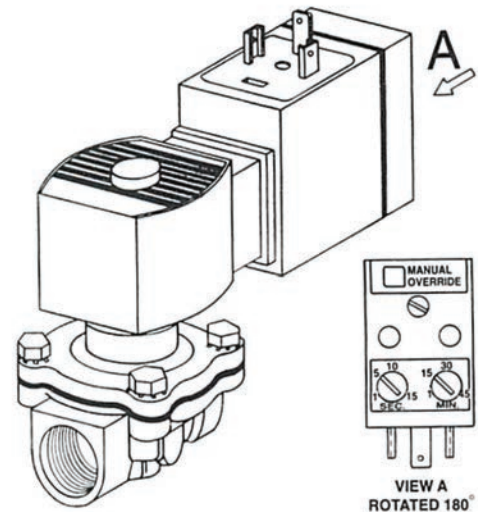
The Automatic Timed Solenoid Valve is a combination of a brass body directional control valve and an attached electronic repeat cycle timer which alternately opens and closes the valve. The valves are industrial quality, suitable for air or water service. The timer has an off time period (valve de-energized) that is adjustable from 1-45 minutes. The on time period (valve energized) is adjustable from 1-15 seconds. A touch button manual override on the electronic timer allows for manual control of the valve.

APPLICATIONS

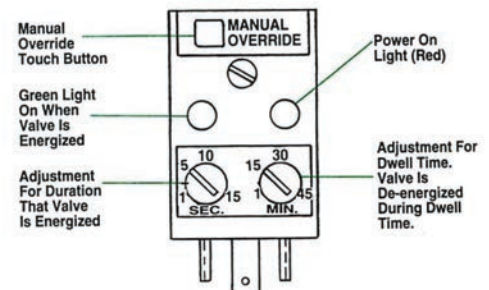
The Automatic Timed Solenoid Valve can be used to discharge water collected in tanks, pipes, filters or refrigeration dryers in compressed air systems. The valve operates periodically for a short duration and discharges collected water into a drain or sump.

The valve can also be used to periodically spray water for cooling or wetting of produce, vegetation, or equipment.

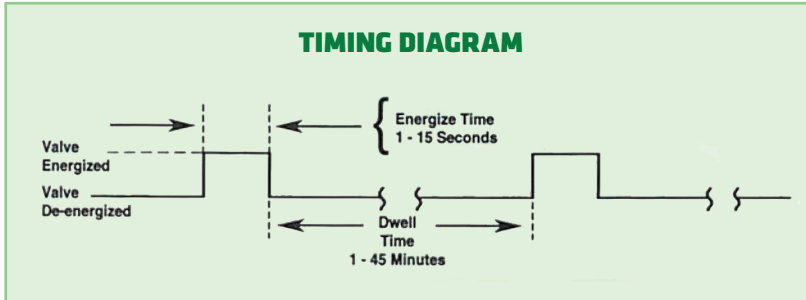
AUTOMATIC TIMED SOLENOID VALVE



ELECTRONIC TIMER



TIMING DIAGRAM



GENERAL SPECIFICATIONS

SOLENOID VALVES

Materials: Brass Body • BUNA N Seals
Compatible Fluids: Air, Water
Pressure & Flow (C_v): See chart on reverse
Power: Less than 20 watts
Voltage/Frequency*: 120/60
Enclosure: Types 1, 2, 3, and 4
Ambient Temperature: 32° - 125°F
Connections: Female Pipe Threads

*Consult Customer Service for other A/C voltages

ELECTRONIC TIMER

Voltage: 120 Volts
Frequency: 60 hz
Energize Time: 1-15 seconds
De-energize time: 1-45 minutes
Manual Override: Touch button
Power On Light: LED - RED
Valve Energized Light: LED - GREEN

Ambient Temperature: 32° -125°F
Power Output to Valve: 20 watts max
Connections: DIN Size 30/40
Enclosure Protection:
Equivalent to Types 1 and 4
Housing Material: Polycarbonate



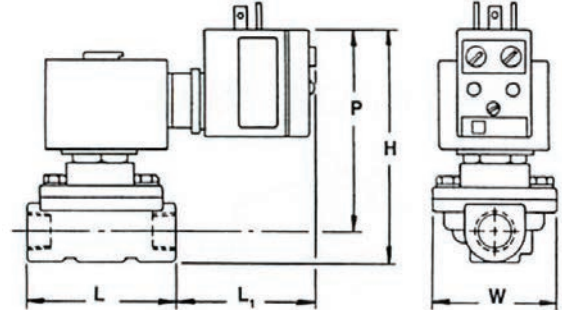
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DIMENSIONS

Part Number	Pipe Size (In.)	H	L	L ₁	P	W
OKC-TSVRCT-2NC3BRBN	3/8	4-3/8	2-3/4	2-13/16	3-13/16	2-5/16
OKC-TSVRCT-2NC4BRBN	1/2	4-3/8	2-3/4	2-13/16	3-13/16	2-5/16
OKC-TSVRCT-2NC5BRBN	3/4	4-19/32	2-13/16	2-25/32	3-29/32	2-5/16



VALVE SPECIFICATIONS

Brass Body • BUNA-N Seals.

Part Number	Pipe Size (In.)	Type	Differential Pressure PSIG		Fluid Temp Max.-°F	CV Flow Factor	Coil Watt Rating
			Min.	Max.			
OKC-TSVRCT-2NC3BRBN	3/8	NC	0	150	180	3.0	10.1
OKC-TSVRCT-2NC4BRBN	1/2	NC	0	150	180	4.0	10.1
OKC-TSVRCT-2NC5BRBN	3/4	NC	0	150	180	5.0	10.1

Valve Selection

Select a valve for the application compatible with the flow requirements. The minimal pressure differential rating of "0" PSIG allows operation of the valve even at low liquid levels, such as occurs when draining gravity pressurized vessels.

Part Number Legend

TSV—Timed Solenoid Valve; **RCT**—Repeat Cycle Timer; **2NC**—2-way, Normally Closed; **3, 4, 6** = Flow Factor; **BR**—Brass; **BN**—BUNA-N Seals

Ordering Information

- Part numbers shown include an assembly consisting of both Timer and Valve.
- Select part number from chart for timer/valve assembly operating a 120 volt/60hz. For other voltages, see below.

ORDERING OPTIONS

OKC- XXX – Power Cord

6-foot long power cord with 3-prong plug for 120 volts/60hz; has DIN connector for attaching to the timer.

OKC- XXX – Repeat Cycle Timer (Use this part number for ordering timer only.)

Consult our Customer Service Team for the following options:

- **Voltage:** 24/60 or 240/60
- **Materials:** Stainless Steel Body or Alternate Valve Seals
- **Slow Closing Construction** - to avoid water hammer
- **Other Fluids:** Steam, deionized water, or chemicals

