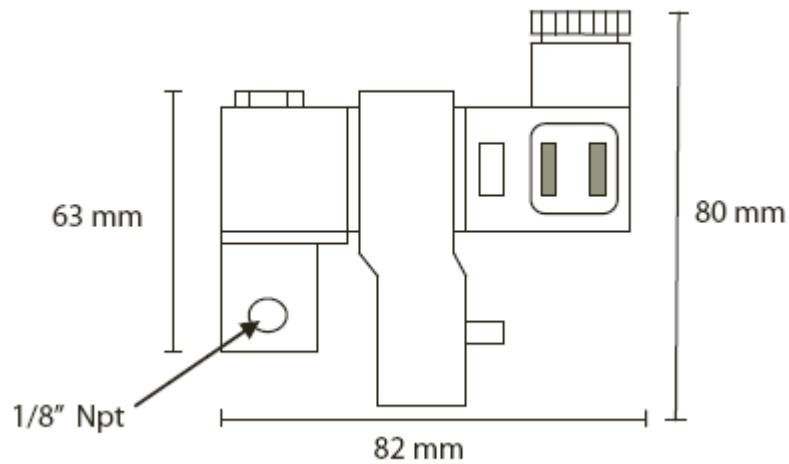




DRAIN MANUAL CONTENTS

- Technical Data
- Installation Information
- Parts Information



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Product Description

TSD-720 timed electric drain consists of a timer, solenoid valve, coil, din connector, gaskets, 10’ power cord with three pronged plug and spare fittings.

Timer Technical Data

Interval Time Off Min	1 – 120 minutes adjustable
Discharge Time On Sec	2 seconds non adjustable
Supply Voltage	115/1/60 Hz (other voltages available)
Voltage Tolerance	+ or – 10%
Manual Test Switch	standard
Current	4mA
Switch Capacity:	1A
Operating Temperature	-20°C to +50°C
Protection Class	IP65, NEMA 4 installed
Timer Case Material	FR Grade ABS Plastic Flame-proof
Connection	DIN43650A ISO4400/6952
Indicators	Yellow valve open or closed
Approval	QPS inspection to CSA special inspection guideline SPE1000-13

Valve Technical Data

Valve Type	2 way direct acting
Connection Ports In / Out	1/8” npt female (additional fittings included to adapt to other connection sizes)
Maximum Working Pressure	230 psig / 16 bar
Operating Temperature	2°C to 55°C
Maximum Fluid Temperature	90°C
Valve Construction	brass
Orifice Size	.177 “
Protection	IP65
Supply Voltage	115/1/60 Hz (other voltages available)
Voltage Tolerance	+ or – 10%
Coil	H grade
Mounting Configuration	any
Approval	QPS inspection to CSA special inspection guideline SPE1000-13

TSD Product Function

The TSD–720 timed electric drain is designed to drain condensate from filters in a compressed air system. The timer will control condensate drainage at any interval between the adjustable time cycles from 1 to 120 minutes. The draining time is fixed at 2 seconds.

Installation Service and Maintenance Information

CAUTION. FOR INSTALLER SAFETY PLEASE ENSURE THE COMPRESSED AIR SYSTEM HAS BEEN COMPLETELY VENTED AND IS UNDER NO PRESSURE AND ALL ELECTRICAL POWER IS OFF BEFORE INSTALLING DRAIN.

When installing the TSD-720 drain valve insure the valve direction shown on valve body is correct and the condensate will discharge in the same direction as the arrow shown on the valve body. The drain valve may be installed in any configuration. An oil/water separator is recommended on the discharge side of the drain valve. This will allow for separation and clean condensate being discharged in order to meet the sewer use by-law. The drain is generally maintenance free but we recommend replacing parts every few years. The test button may be used to test drain as required. Parts are available from CAG Purification Inc.

Timer Setting

Set Interval Time OFF: MIN adjustment knob on front of timer face. Discharge Time is set at 2 seconds ON and cannot be adjusted. In order to prevent unnecessary power consumption, draining and wear and tear the user may adjust timer for best results as required.

Replacement Part Numbers

Timer	T-720	Timer/Din Gasket	TG-720
Coil	SC-720	Timer/Coil Gasket	CG-720
Valve	V-720	Valve Nut	VN-720
Din Connector	DN-720	Din Connector Screw	DS-720
Power Cord/Plug	PC-720		