

System Studies Incorporated

Purge Valve Assembly

Product Information

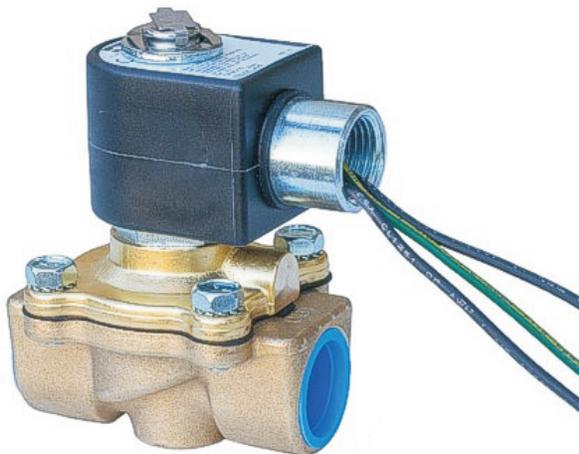
Part No. 9800-0550

Extending the Replacement Life of Air Dryer Purge Valves

System Studies' Purge Valve Assembly is designed for use with all McIntire XE water-sealed air dryers. It makes it possible to replace the dryers' purge solenoid valves, either individually, as needed, or all four at one time. The purge solenoid valves control the opening and closing of the drying system that is contained in the two desiccant drying towers.

The System Studies version of the purge valve offers superior functional performance and significantly extends the interval between required maintenance of the OEM valve. Our suggested rebuild times are every two years, based on quarterly inspection evaluation. In some cases valve replacement can exceed the estimated rebuild estimate due to mechanical and environmental conditions, such as dryer age and condition, room condition, ambient temperature and air/water quality.

The Part No. 9800-0550 Purge Valve Assembly is purchased as a complete replacement (including new coil), as shown below. In addition, a Purge Valve Service Kit (Part No. 9900-1500) is also available, as described on the back page of this data sheet.



Part Number 9800-0550

System Studies Incorporated



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Specifications

Part No:

9800-0550

Description:

3/4" NPT Brass Control Valve
(normally open) & Control Valve
Solenoid

Dimensions:

Unit Valve Body –

Length: 3 in (7.62 cm)

Width: 2.25 in (5.72 cm)

Height: 4 in (10.16 cm)

Unit Solenoid –

Length: 2.75 in (6.99 cm)

Width: 1.56 in (3.96 cm)

Height: 1.56 in (3.96 cm)

Weight:

2.1 lbs (.95 kg)

Voltage:

220/50-240/60

Valve Type:

2 Way

Seal Material:

NBR (Acrylonitrile Butadiene)

Port Size, Number:

3/4 in (1.91 cm),

2 – NPT-F

Orifice Size (Inch):

3/4 (1.91 cm)

Flow Factor 1 (CV):

5.5

Power (Watts):

11 Watt (AC)

Coil Type:

½ in (1.27 cm) NPT conduit

18 in (45.72 cm) leads

Class F, NEMA 4x

Max PSI Differential:

150 psi (1034.21 kpa)

Actuation:

Hung Diaphragm

Coil Protection Mode:

Class F

Purge Valve Service Kit Part No. 9900-1500

In order to extend the life of the Purge Valve Assemblies used in the McIntire XE Series water-sealed air dryer, we also provide a Purge Valve Service Kit. Unlike the Part No. 9800-0550 Purge Valve Assembly, this kit does not include the Purge Valve Body, Cover or Unit Solenoid. It does, however, include the following components:

- Diaphragm Assembly with Body Gasket
- Latch Spring
- Diaphragm Return Spring
- Spring Positioning Tool
- Disc Holder Assembly
- Plunger Tube Assembly and Gasket
- Curved Washer for Plunger Tube Assembly
- Stainless Steel Top Washer and Retainer Clip

These components offer a cost-effective option for rebuilding a serviceable Purge Valve Assembly that has a defective diaphragm.



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