



VALVES & REGULATORS

# Sporlan Type 180

BRAND  
Sporlan

SKU  
RC\_PROD\_041

CATEGORY  
Valves & Regulators



## OVERVIEW

The Sporlan Type 180 Solenoid Pilot Control is a supplementary device for Sporlan thermostatic expansion valves, used **in place of large-capacity liquid line solenoid valves** for positive shut-off of liquid lines. The economics are the point: since only one size of Type 180 is required regardless of system tonnage, it costs less than a large line-size solenoid and is cheaper to install. The Type 180 does not close the liquid line directly. Installed in the TEV's external equalizer line with a third 1/4" connection to the liquid line, it creates a pressure under the expansion valve diaphragm higher than bulb pressure — forcing the TEV itself closed. Two ports in the body (one high pressure, one low pressure) switch this pilot pressure. Because the TEV becomes the shut-off element, Sporlan requires Catch-All® filter-drier protection; a C-032-F Catch-All is included with the device.

## KEY FEATURES

Compact pilot device  
replaces large, expensive line-size liquid solenoids

One size, all capacities  
simplified stocking and installation

Acts through the TEV  
positive liquid shut-off using the expansion valve seat

Two-port body  
high pressure / low pressure, with three 1/4" connections

## SPECIFICATIONS

| PARAMETER           | VALUE                                                                          |
|---------------------|--------------------------------------------------------------------------------|
| FUNCTION            | Solenoid pilot control — closes the TEV for liquid line shut-off               |
| MAX. RATED PRESSURE | 500 psi                                                                        |
| CONNECTIONS         | Three × 1/4" (high-pressure liquid, suction, common to TEV external equalizer) |