

Today's Process Design Engineers are employing sophisticated control devices as part of an overall process scheme that achieves efficiency through simplicity and standardization.


**PRODUCT GROUP**

Using cost-effective, addressable and "smart" devices fitted to automated valves, designers can reduce wiring and installation costs, field-modify system performance, dramatically improve start up sequencing and finally create a system that is both reliable and flexible.

To complement our "Process-Quality" automated valve package, SVF has developed the "Device-ID" Product Group.

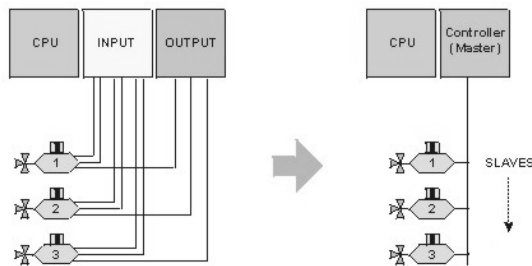
Offering a wide selection of platforms, protocols and system compatibility this Product Group features:

- NAMUR Interface
- Intrinsic Safety
- Data collection
- Diagnostics
- Modularity
- Upgradeable Electronics
- Compatibility
- Simplicity
- Easy Installation
- Economy
- Durability
- High Performance

Networking At-a-Glance					
Protocol	Intr. Safe	On-Off	Modulating	# of Valves	Addressable
Asi		▪		1 to 63	▪
DeviceNet		▪		1 to 64	▪
FieldBus	▪	▪	▪	1 to 64	▪

SVF Series	NEMA 4, 4X	Haz. Area	Intr. Safe	Available Protocols				
				Asi	DeviceNet	F-FieldBus	HART	Profibus
A	~	~		~	~			~
P	~			~	~			~
F	~			~	~			~
SC	~			~	~			~
SRI990	~	~	~	~	~	~	~	~
<b>NOTE:</b>								
1-Always specify Enclosure and Area Classifications.								
2- Pilot Valves for On-Off Service not included in product descriptions.								
Pilot valves must be low power <= 5 Watts.								

Device-ID Product Group



**SVF**  
**Device-ID**  
PRODUCT GROUP

**Simplified Wiring Advantage from our Networking Systems**



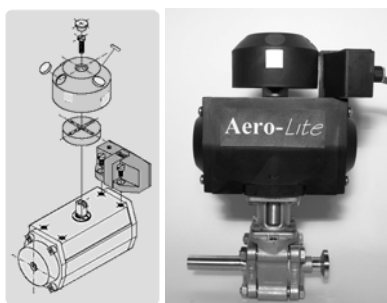
**Series A, P and F**

**Series A, P and F feature** a fully enclosed protocol module/circuit card in an aluminum or non-metallic (Series P) housing. Switch feedback is set using two independently adjustable cams. LED readout for Network Status, Valve Position and Output Transistor (Power to Pilot) status.



**Series SRI990 Positioner**

**Series SRI990 features** a fully enclosed protocol module/circuit card in an aluminum housing. This device is used for Foundation Fieldbus when modulating valve performance is required. SRI990 may also be used with Profibus and HART protocols.



**Series SC**

**Series SC features** a fully encapsulated protocol module/circuit card with embedded non-contact solid state sensors. The top mounted design is simple and low-profile and is ideal for high density installations. LED readout for Network Status, Valve Position and Output Transistor (Power to Pilot) status.



*You can be assured of getting the best control package from our Device-ID Product Group by using the following written specifications.*



## **PROTOCOL SPECIFICATIONS**

### **ASi Type**

The enclosure shall contain an ASi network protocol module that is mounted directly into a standard enclosure configuration. The networking module must be solid state with all valve position sensors two (2) integrated directly into the networking module. The on-card sensors shall be hall-effect type and are actuated by magnetic cams that are touch set (requiring no tools to set and adjust them). The module shall have two (2) transistor outputs that are rated to 4.8 Watts Each. The module will have integral Red and Green LEDs to indicate all the following:

- Network Status
- Valve Position Sensor Status
- Output Transistor Status

The module will have an appropriated wiring diagram permanently screened unto the face of the module for easy reference. All terminal points shall be clearly marked to display proper wiring installation. The terminals shall be of a Rising Cage Clamp type Construction. The module shall have an Addressing Plug for local card addressing. **SVF Device-ID Series for ASi.**

### **DeviceNet Type**

The enclosure shall contain a DeviceNet network protocol module that is mounted directly into a standard enclosure configuration. The networking module must be solid state with all valve position sensors two (2) integrated directly into the networking module. The on-card sensors shall be hall-effect type and are actuated by magnetic cams that are touch set (requiring no tools to set and adjust them). The module shall have two (2) transistor outputs that are rated to 4.8 Watts Each. A DipSwitch station shall also be permanently placed on the module for setting the network address and the network communication speed. The module will have integral Red and Green LEDs to indicate all the following:

- Network Status
- Valve Position Sensor Status
- Output Transistor Status

The module will have an appropriated wiring diagram permanently screened unto the face of the module for easy reference. All terminal points shall be clearly marked to display proper wiring installation. The terminals shall be of a Rising Cage Clamp type Construction. **SVF Device-ID Series for DeviceNet.**



Device-ID Product Group



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**STANDARD ENCLOSURE SPECIFICATIONS**

**For NEMA 4, 4X, 7, 9**

Valve position transmitter shall be SVF model \_\_\_\_\_. Enclosure shall be aluminum with a polyurethane coating and rated Nema 4, 4x, 7, 9. Visual indicator shall have 100% display change, 360° visibility and full set point adjustability. Indicator cover shall be free of decals or paint and sealed with an O-ring. Enclosure shall have captive cover bolts. Enclosure shaft shall be attached to the housing with an internal stainless steel locking ring, environmentally protected with an O-ring.  
**Enclosure shall be SVF Device-ID Series-N7**

**For NEMA 4, 4X**

Valve position transmitter shall be SVF model \_\_\_\_\_. Enclosure shall be aluminum with a polyurethane coating and rated Nema 4, 4x. Visual indicator shall have 100% display change, 360° visibility and full set point adjustability. Indicator cover shall be free of decals or paint and sealed with an O-ring. Enclosure shall have captive cover bolts. Enclosure shaft shall be attached to the housing with an internal stainless steel locking ring, environmentally protected with an O-ring.  
**Enclosure shall be SVF Device-ID Series-N4**

