

ISIMET S-Series Enclosures

Product Description

The S-Series Enclosures are pre-assembled intended for use with the *ISIMET* Utility Controller. Each solenoid “station” is assembled with a threaded main ball valve cut-off and union fittings. All piping joints are tested for tightness. However, the union at each station is loose fit for ease in field installation. The stations are secured to aluminum strut supports by means of pipe clamps.

Enclosure Specifications

The NEMA 1 enclosure may be either surface or flush mounted.

Door latch may be specified as Slotted Latch, Hand-Knob or Keyed Lock.

The Four Types of the Enclosure are:

1. Standard Assembly - Enclosure is provided with rubber grommets for piping inlet and outlet holes.
2. Liquid Tight without Vent - Enclosure is provided with Liquid / Air Tight strain relief fittings for each inlet and outlet hole.
3. Liquid Tight with Vent - At each fluid controlled station, a Liquid / Air Tight strain relief fitting for each inlet and outlet hole is provided. At each gas controlled station lock nuts and sealant adhesive for each inlet and outlet hole are provided.
4. Liquid Tight W/ Secondary Vent - Provides the same air tight enclosure as type 3 except that the gas piping is provided with Air Tight strain relief fittings and a secondary penetration is provided with lock nuts for enclosure venting.

(Vent assembly permits the installer to connect containment piping as may be required by local ordinances. Attachment instructions are contained in the Installation Manual accompanying the enclosure.)

Series 5 Rack Assembly is provided without an enclosure but with piping fitted to a welded strut assembly with a J-Box for wiring terminations. The assembly is suitable for suspension from building structural members.

2, #3 and # 4 Rated Enclosures have a NEMA 4 rating and additionally are provided with an air-tight gasket at the door and adhesive and washers for all mounting hardware. (MAX pipe size for LT is 1 ¼”; Vented is 1 ½”).

16X14, 18X18 and 24X24 Enclosures are available in Break Glass Door Model.

Enclosure Dimensions for 1/2” – 3/4” Pipe

Station #	1	2	3	4
Height	16	18	24	24
Width	14	18	24	30
Depth	6	6	8	8

Stations for General Service Enclosures W/ Strainers - Enclosure Height = 18 minimum

Stations w/Strainers and (Shock Arrestors or Added Unions) -Enclosure Height =24 minimum

Enclosure Dimensions for 1” Pipe

Station #	1	2	3	4
Height	18	18	24	24
Width	18	18	24	30
Depth	6	6	8	8

Stations for General Service Enclosures W/ Strainers - Enclosure Height = 24 minimum

Stations W/Added Union and Strainers- Enclosure height = 24 minimum

Stations W/ Strainers and Shock Arrestors- Enclosure height = 30 minimum

Enclosure Dimensions 1 1/4” – 1 1/2” Pipe

Station #	1	2	3	4
Height	16	24	24	24
Width	14	24	30	36
Depth	6	8	8	8

Stations W/ Added Union - Enclosure height = 24 minimum

Stations W/ Strainers – Enclosure height = 30 minimum

Stations W/ Added Union and Strainers - Enclosure height = 30 minimum

Stations 1 ¼” W/ Strainers and Shock Arrestors- Enclosure height = 30 minimum

Stations 1 ½” W/ Strainers and Shock Arrestors- Enclosure height = 36 minimum