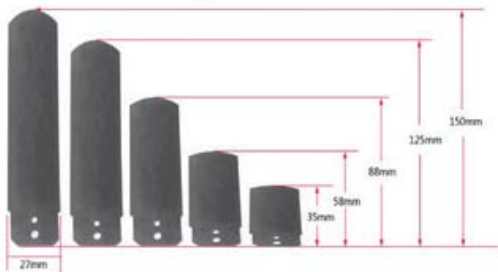


# INTERRUPTOR DE FLUJO HS-12 H12 FLOW SWITCH



## INTERRUPTOR DE FLUJO H 12

Diseñado para tuberías que usan fluidos de agua no peligrosos que no contengan latón o fósforo, el interruptor de flujo HS 12 proporciona mediciones precisas y fiables. También es adecuado para su uso en fluidos que contienen sal y cloro, pero no en atmósferas peligrosas. Se usan para abrir y cerrar el circuito cuando se observa una disminución o aumento de acuerdo con el caudal establecido. Debe usarse a las temperaturas mencionadas a continuación y no debe usarse por debajo de 0 grados. Cuando se usa al aire libre, debe protegerse de las condiciones del aire y del contacto con el agua.



Este producto cumple con los requisitos de la CE  
This product meets the requirements of CE

## H12 FLOW SWITCH

The paddle type HS-12 series are designed to provide excellent performance where accuracy, reliability, and rugged construction (IP54) are required used in liquid flow lines carrying water or any fluid neither harmful to brass and phosphor bronze nor classified as a hazardous fluids. These series may be used on liquids with high salt or chlorine content but is not for use in hazardous atmospheres. They can be wired to close one circuit and open a second circuit when liquid flow either exceeds or drops below the adjusted flow rate. The HS-12 series are recommended for liquid pressure and temperature as mentioned below and must not be used on lines carrying liquids below 0 degree C. They may be also used outdoors but must be protected from weather or splashing water.

|                                            |                                  |
|--------------------------------------------|----------------------------------|
| Presión de trabajo / Working Pressure      | 10 kgf/cm <sup>2</sup> (1MPa)    |
| Max. Presión / Max. Pressure               | 17.5Kg/cm <sup>2</sup> (1.75MPa) |
| Resistencia / Resistance                   | Over 100Ω, DC500VM               |
| Max. Voltaje / Max. Voltage                | ac1500v/1minuto / minute         |
| Nº ciclos del contacto / Life Cycle Contac | 1000K Ciclos / Cycles            |
| Vida del fuelle / Bellows Life             | 500K Ciclos / Cycles             |
| Temperatura del fluidok / Temp. of Fluid   | Max 100°C (212°F)                |

## RANGOS ELÉCTRICOS / ELECTRICAL RATINGS

| Tipo/Type     | Voltaje/Voltage | Resistance Load | Lamp Load | Motor Load |
|---------------|-----------------|-----------------|-----------|------------|
| AC (Standard) | AC 125 V        | 5A              | 44A       | 5A         |
|               | AC 250 V        | 2.5A            | 22A       | 2.5A       |
| DC            | DC 115 V        | 0.3A            |           |            |
|               | DC 230 V        | 0.15A           |           |            |

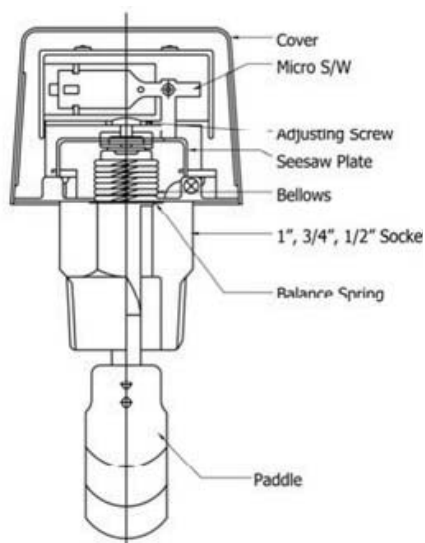
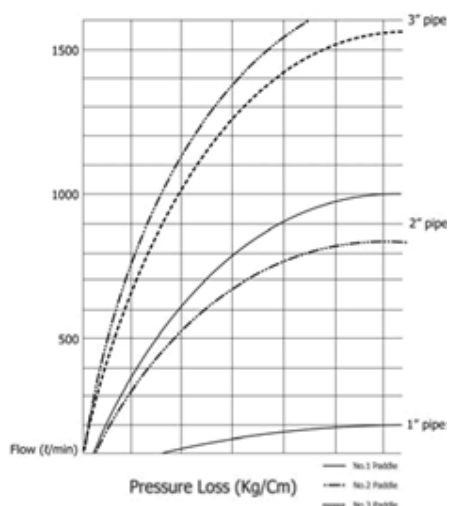
**TABLA DE CONTROL DE RANGOS / FLOW CONTROL RANGE TABLE**

| CLASIFICACIÓN / CLASSIFICATION |               | RANGOS DE FLUJO/<br>FLOW CONTROL RANGE |                  | LPM (GPM)    |             |
|--------------------------------|---------------|----------------------------------------|------------------|--------------|-------------|
| Ø Tubería/Ø Pipe (inch)        | Paleta/Paddle | Mínimo / Minimum                       | Máximo / Maximum |              |             |
| 1                              | 1             | 15 (4.0)                               | 8 (2.0)          | 45 (12.0)    | 41 (11.0)   |
| 1-1/4                          |               | 26 (6.9)                               | 13 (3.4)         | 75 (20.0)    | 68 (18.0)   |
| 1-1/2                          |               | 29 (7.2)                               | 20 (5.3)         | 105 (28.0)   | 94 (25.0)   |
| 2                              | 3             | 34 (9.0)                               | 17 (4.5)         | 120 (32.0)   | 105 (28.0)  |
| 2-1/2                          |               | 60 (16.0)                              | 34 (9.0)         | 210 (55.0)   | 188 (50.0)  |
| 3                              | 4             | 68 (18.0)                              | 30 (8.0)         | 288 (76.0)   | 275 (73.0)  |
| 4                              |               | 128 (34.0)                             | 64 (17.0)        | 412 (109.0)  | 360 (95.0)  |
| 5                              |               | 225 (59.0)                             | 113 (30.0)       | 750 (198.0)  | 652 (172.0) |
| 6                              |               | 345 (91.0)                             | 172 (45.0)       | 1125 (297.0) | 975 (258.0) |

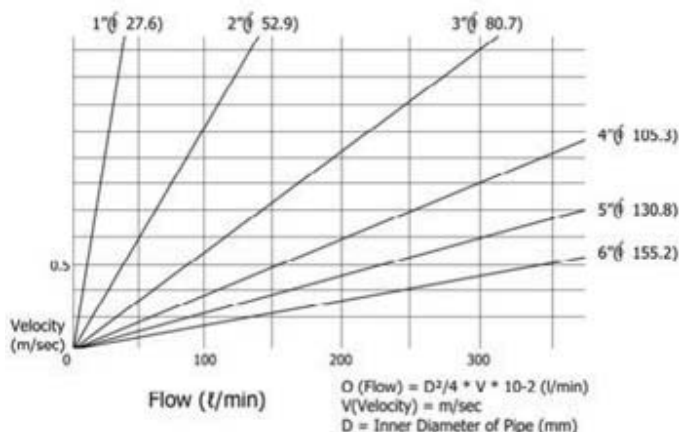
\*Este cuadro ilustra el rango de control de flujo obtenido a partir de los datos experimentales.  
Se puede esperar una variación de hasta el 10%, dependiendo de las condiciones de funcionamiento.  
Los ajustes finales deben hacerse in situ, utilizando un medidor de flujo

\*This table illustrates the flow control range obtained from experimental data.  
A variation of up to 10% can be expected, depending on operating conditions.  
Final adjustments should be made on site using a flow meter

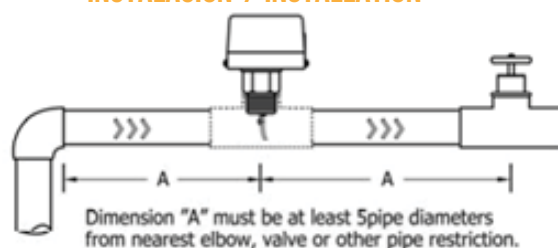
**TASA PERDIDA PRESIÓN / PRESSURE LOSS RATE**



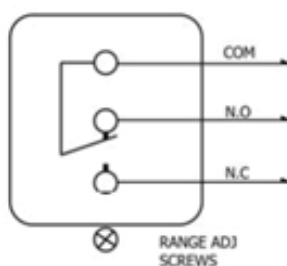
**VELOCIDAD FLUJO / FLOW VELOCITY**



**INSTALACIÓN / INSTALLATION**



**NO FLUJO / NO-FLOW**



**FLUJO / FLOW**

