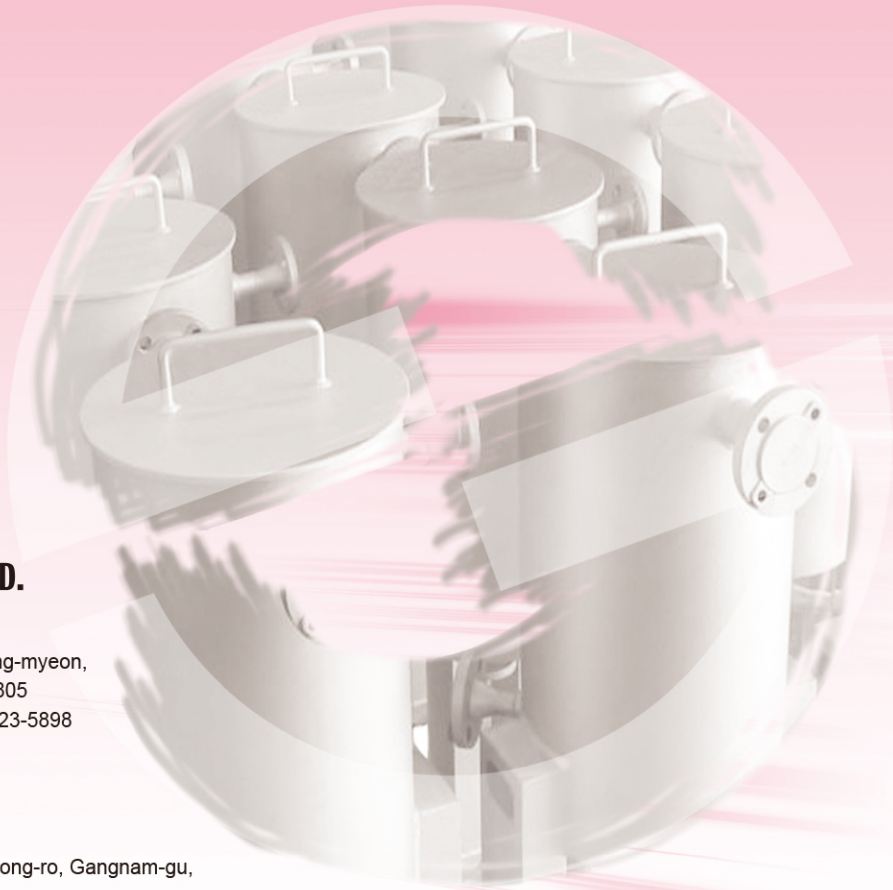
SEWON Q&TECH CO.,LTD.

SEWON BLANKETING DEVICE

MODEL SNB 110

MODEL SNB 210



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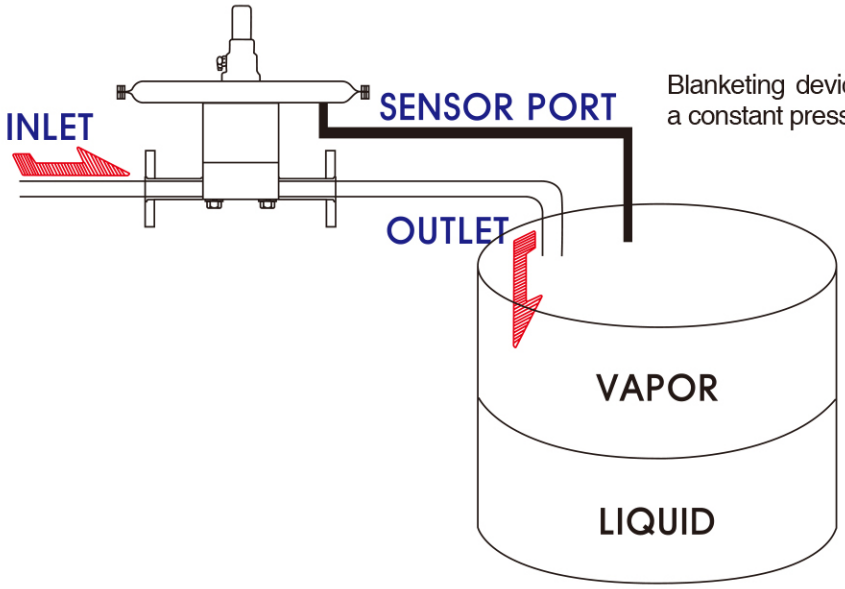
MODEL SNB 110 / 210
BLANKETING DEVICE

The Sewon Inert Gas Blanket Device ensures that a constant gas pressure is maintained in the vapor space of a storage tank.
When liquid is discharged from a storage tank or the temperature is reduced, a vacuum would be developed. With the Sewon Inert Gas Blanket Device, a blanket gas is supplied to prevent any vacuum from developing and to maintain the desired blanket pressure. In addition to, preventing outside air and moisture from entering the storage vessel, and reduces the evaporation of the stored product to a negligible amount.

The result not only conserves product but also greatly reduces emissions. These advantages are in addition to the fire protection that is provided.
The simple design of a Sewon Inert Gas Blanket Device eliminates the need for a multiple regulator system or the complicated pilot operated blanketing valves.
By utilizing a regulator with totally balanced chambers, maintenance will also be reduced. The balanced design means that you will have high accuracy, reliability.

BLANKETING DEVICE

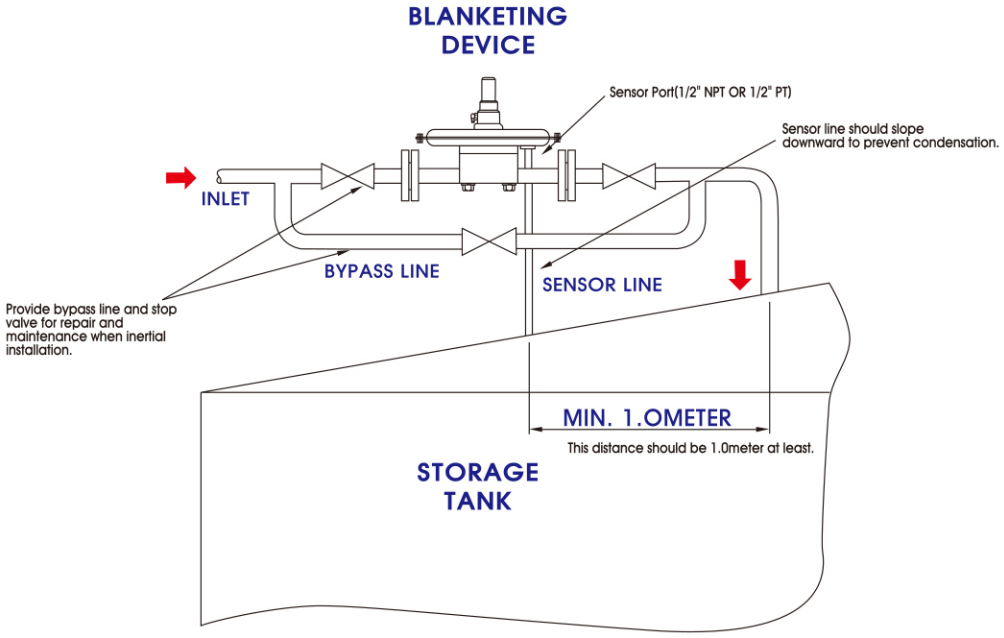


Blanketing device enables to maintain a constant pressure in a storage tank.

THE MAJOR BENEFIT OF USING THIS DEVICE

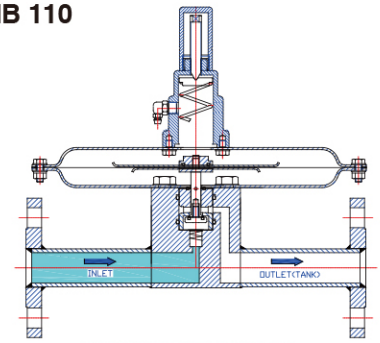
- **Reduce explosion risk and evaporation loss**
  Provides a head pressure above the liquid to reduce evaporation loss, and it helps protect the inside tank corrosion.
- **Maintain a constant pressure and precise pressure control**
  Prevent outside air, moisture, and other contaminants from entering the storage tank by means of maintaining a constant pressure in the tank.
- **Protect chemical in a storage tank from oxidation**
- **Vacuum relief function**
  Provides a function as venting device(Vacuum relief device)

INSTALLATION

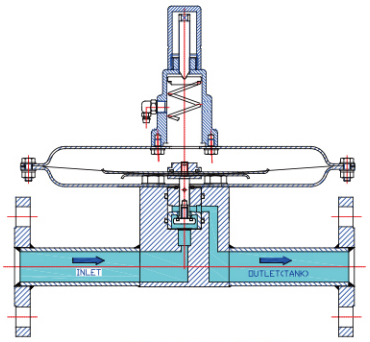


OPERATION PRINCIPLE

MODEL - SNB 110

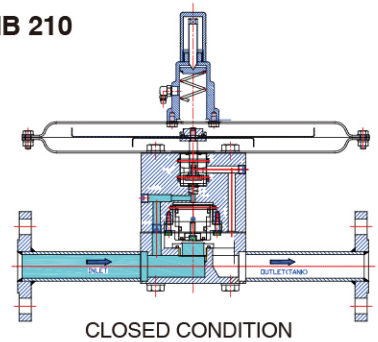


CLOSED CONDITION

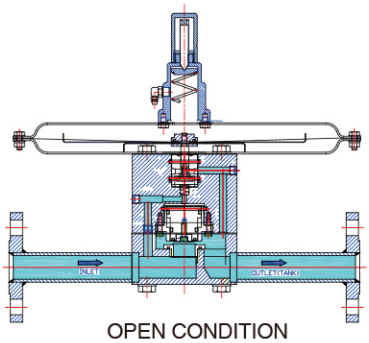


OPEN CONDITION

MODEL - SNB 210



CLOSED CONDITION

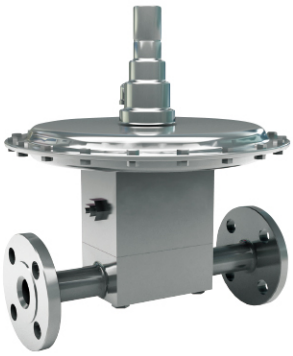


OPEN CONDITION

Tank Pressure is sensed on the underside of the diaphragm. The Diaphragm directly actuates the pilot valve, Flow through the pilot valve is directed to the pilot valve causes the pressure to drop in the sealed chamber above the main valve piston. When the pressure has dropped sufficiently, the main valve opens and allows blanketing gas to flow into the tank. When the pressure is restored the pilot closes. Pilot flow ceases and restores the pressure above the main valve piston to full inlet pressure shutting off the main valve. This full balancing of forces is essential if the pilot valve is not to be unduly influenced by change in inlet pressure.

Model **SNB110**

Size : 1/2" through 1"
Set Pressure : 25~2000mmWC



Model **SNB210**

Size : 1/2" through 2"
Set Pressure : 25~2000mmWC

SPECIFICATIONS

SET PRESSURE(OPEN PRESSURE) RANGE	+25mmWC to + 2,000mmWC
MINIMUM INLET PRESSURE	2.0kg/㎠
OPERATING TEMPERATURE RANGE	-28 to 100 DEG. C(-18 to 212 DEG. F)
SENSOR PORT CONNECTION	1/2" NPT or 1/2"PT

ORDERING GUIDE

■ End Connection Style

- ☐ ASME CLASS 150*
- ☐ KS/JIS 10K*
- ☐ RF*
- ☐ FF*
- ☐ 1/2-inch*
- ☐ 3/4-inch*
- ☐ 1-inch*
- ☐ 2-inch*

■ O-RING Material

- ☐ NBR*
- ☐ VITON*
- ☐ EPDM*
- ☐ KALREZ
- ☐ OTHERS

■ Other Requirements

- ☐ INLET PRESSURE GAUGE(RANGE 0 to 10kg/㎠)
- ☐ INLET PRESSURE REGULATOR
- ☐ INLET PRESSURE REGULATOR WITH FILTER
- ☐ FLEXIBLE HOSE(FOR CONNECTION)

■ Actuator Material

- ☐ S304 Stainless steel*
- ☐ S316 Stainless steel*

■ Inlet Pressure _____

■ Set Pressure _____

☐ Remark* Our Standard-readily Available for Shipment