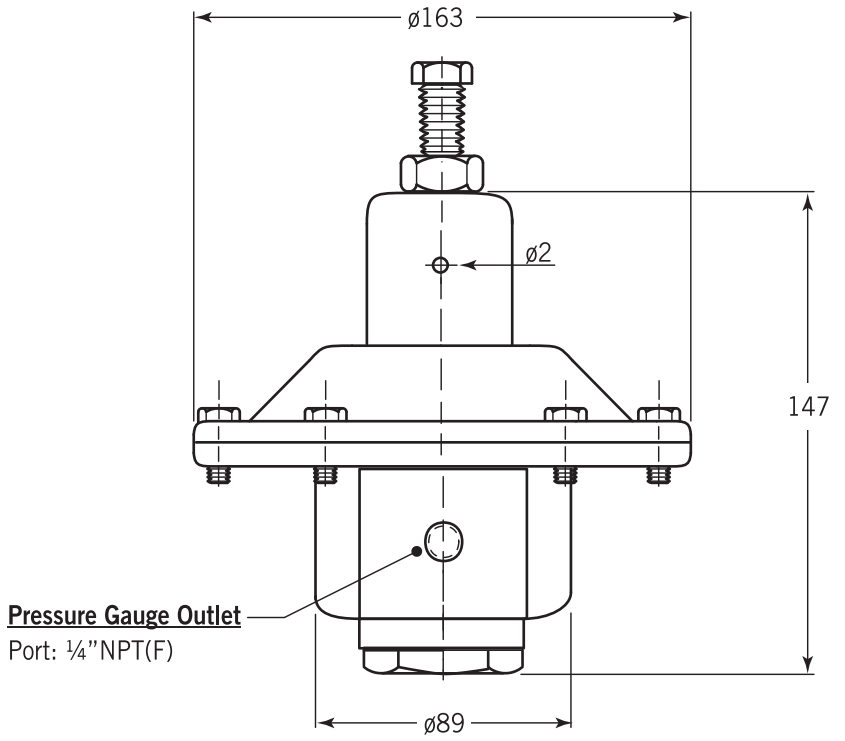
# DIAPHRAGM PRESSURE REGULATORS
# DRV-10

The DRV-10 is a LOW pressure regulating valve that is suitable for pressure control of air, gas, constant outlet pressure between 50 and 6000mmH2O.


## Technical Data

**Outlet Pressure 50 to 6000 mmH2O; Flow Rate 30 to 1000 SLM.**
**Adjustable Outlet Pressure Range and Max. Flow Rate:** please refer to the *Curve Table*
**Inlet Pressure:** 6 kg/cm² (87 psig)
**Body Material:** CF8M
**Diaphragm Material:** NBR + PTFE foil
**Seat Material:** Viton
**Plug & Trim Material:** SS316
**Operating Temperature:** -20°C to +60°C
**Process Connection:** Inlet: ½"NPT & ½"BSP female;
Outlet: ¾"NPT & ¾"BSP female available

## Dimensions




unit=mm

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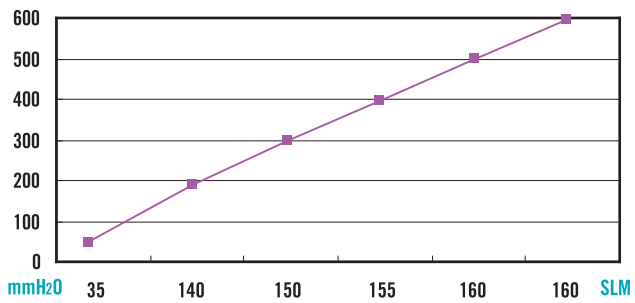
## *Curve Table: Pressure ($mmH_2O$) / Flow Rate (SLM)*

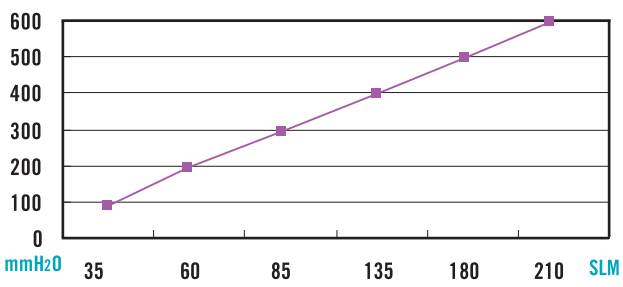
### *Fluid: Air*

#### Spring A

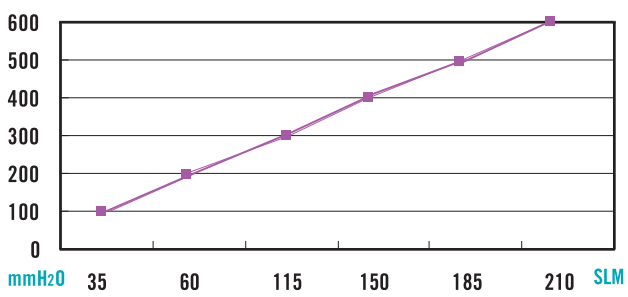
Outlet: 50~600 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 2 $kg/cm^2$




Outlet: 100~600 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 3 $kg/cm^2$

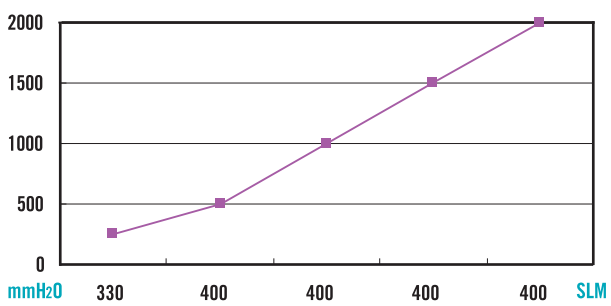



Outlet: 100~600 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 4 $kg/cm^2$

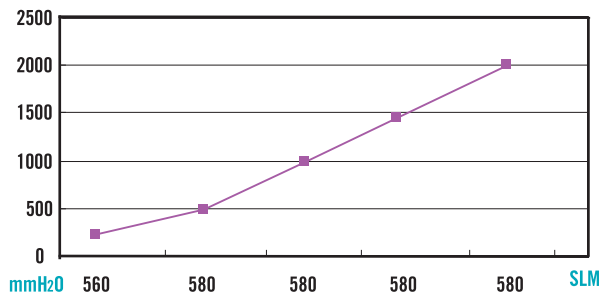



#### Spring B

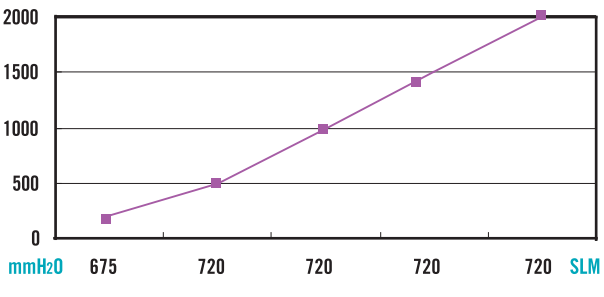
Outlet: 250~2000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 2 $kg/cm^2$




Outlet: 250~2000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 3 $kg/cm^2$




Outlet: 250~2000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 4 $kg/cm^2$

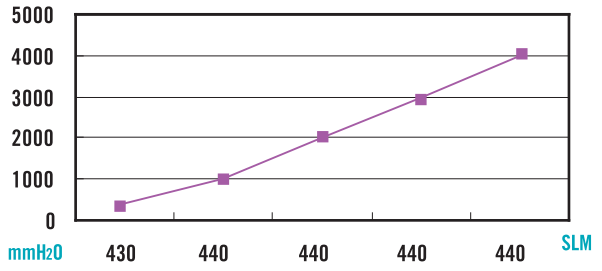


## Curve Table: Pressure ($mmH_2O$) / Flow Rate (SLM)

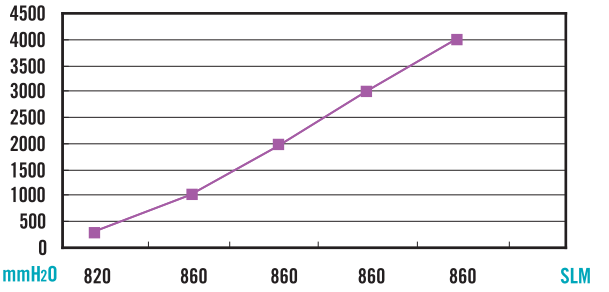
### Fluid: Air

#### Spring C

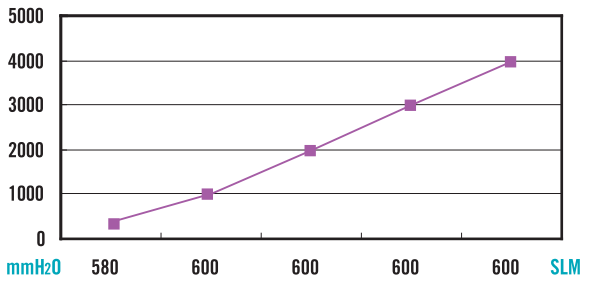
Outlet: 400~4000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 2 $kg/cm^2$



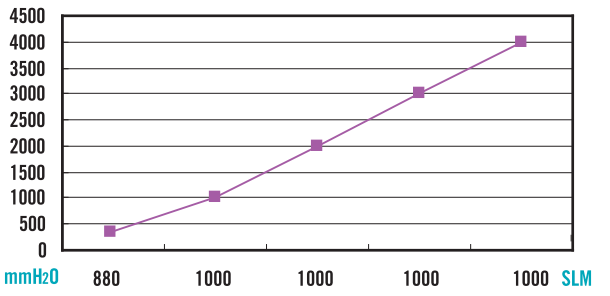

Outlet: 400~4000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 5 $kg/cm^2$



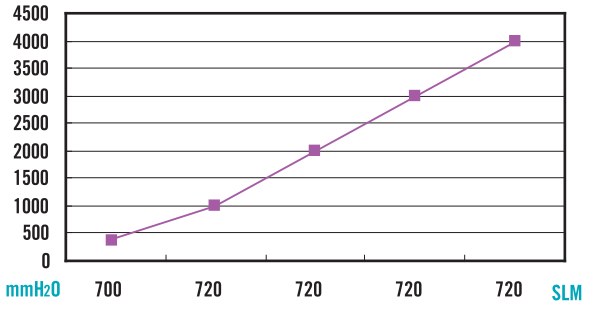

Outlet: 400~4000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 3 $kg/cm^2$




Outlet: 400~4000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 6 $kg/cm^2$




Outlet: 400~4000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 4 $kg/cm^2$

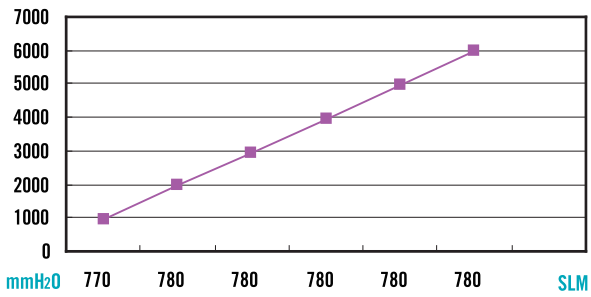


## Curve Table: Pressure ($mmH_2O$) / Flow Rate (SLM)

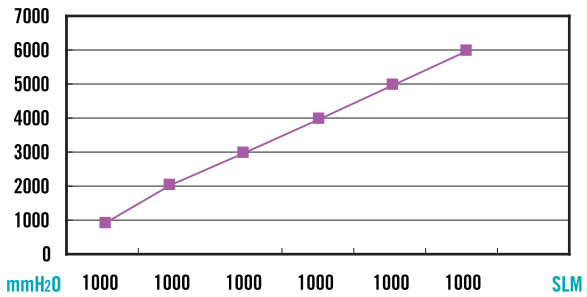
### Fluid: Air

#### Spring D

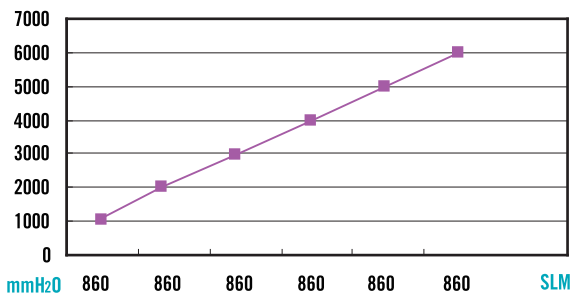
Outlet: 1000~6000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 4 $kg/cm^2$




Outlet: 1000~6000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 6 $kg/cm^2$




Outlet: 1000~6000 $mmH_2O$
Bore Size: 5.6 mm
Inlet Pressure: 5 $kg/cm^2$




## Ordering Information

| DRV-10 | Code | Instrument Connection (Female) Inlet x Outlet |
|---|---|---|
| | | (A) ½"NPT(F) x ¾"NPT(F) (B) ½"BSP(F) x ¾"BSP(F) |

| Code | Diaphragm Material |
|---|---|
| A | NBR + PTFE foil |

| Code | Spring Range |
|---|---|
| | (A) 50~600 $mmH_2O$ (B) 250~2000 $mmH_2O$ (C) 400~4000 $mmH_2O$ (D) 1000~6000 $mmH_2O$ |

| Code | Body Material |
|---|---|
| A | CF8M |

| DRV-10 | | | | | Complete Ordering Code |
|---|---|---|---|---|---|