

# DIAPHRAGM PRESSURE REGULATORS

## DRV-10

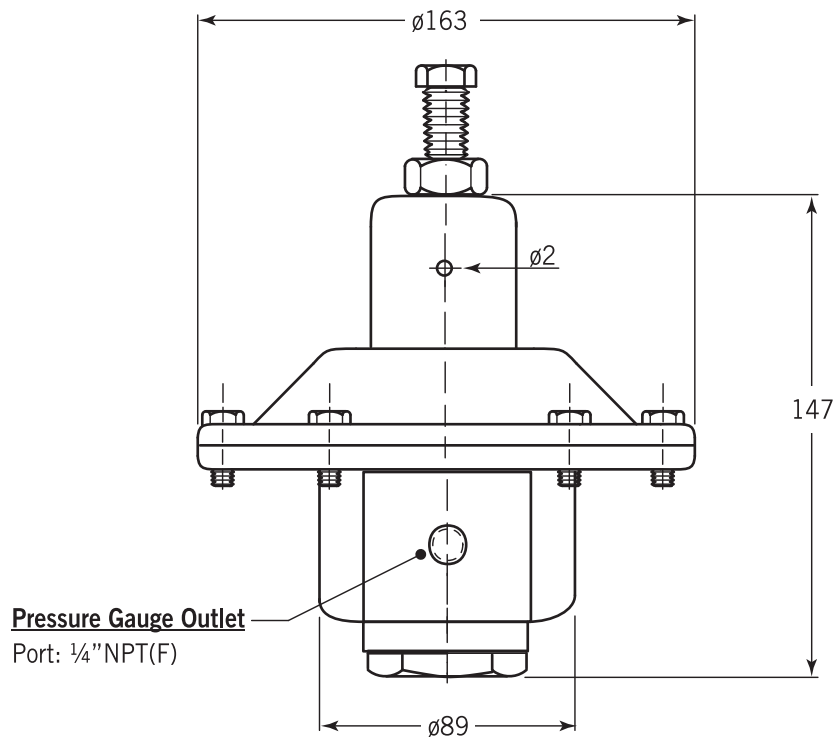
The DRV-10 is a LOW pressure regulating valve that is suitable for pressure control of air, gas, constant outlet pressure between 50 and 6000mmH2O.

### 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/cm<sup>2</sup> (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



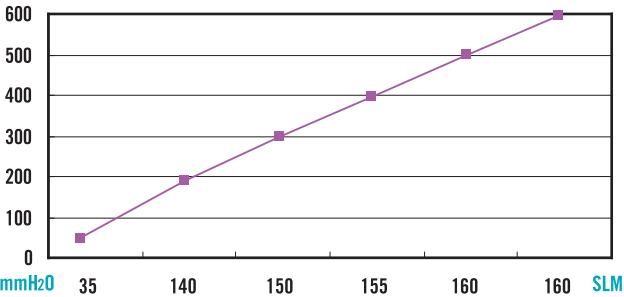
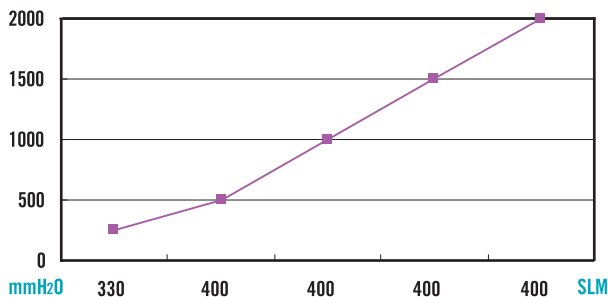
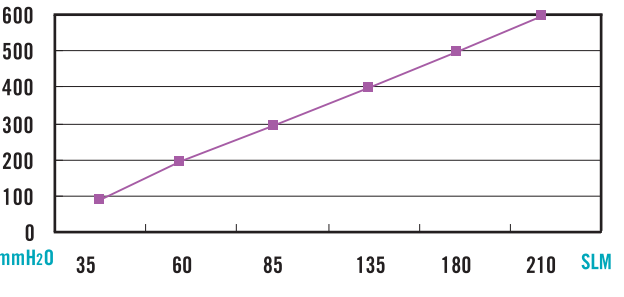
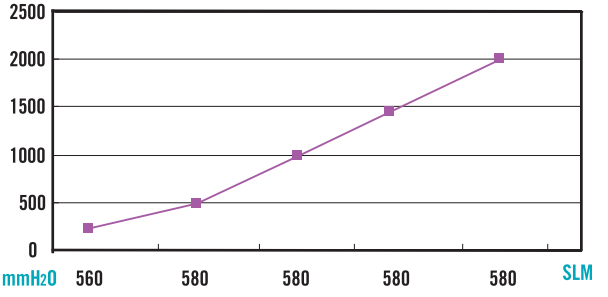
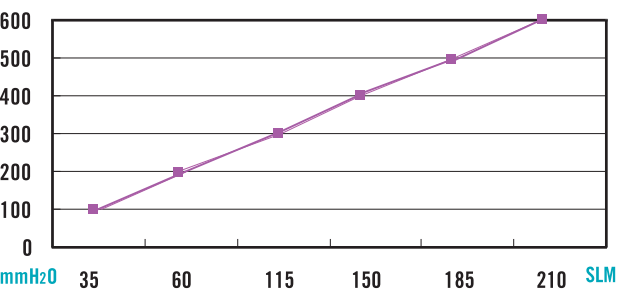
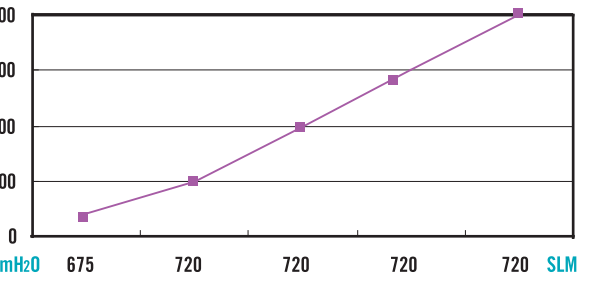
### Dimensions



unit=mm

**Curve Table: Pressure (mmH<sub>2</sub>O) / Flow Rate (SLM)**

**Fluid: Air**

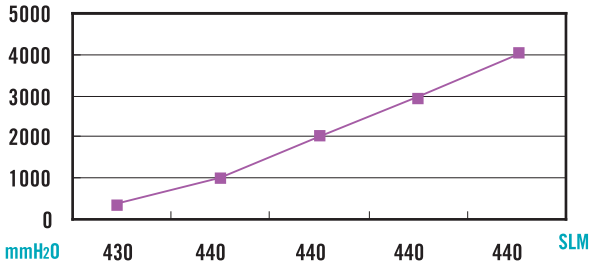
Spring A	Spring B																										
<p>Outlet: 50~600 mmH<sub>2</sub>O Bore Size: 5.6 mm Inlet Pressure: 2 kg/cm<sup>2</sup></p>  <table border="1"> <caption>Data for Spring A, Inlet Pressure 2 kg/cm<sup>2</sup></caption> <thead> <tr> <th>Flow Rate (SLM)</th> <th>Pressure (mmH<sub>2</sub>O)</th> </tr> </thead> <tbody> <tr><td>35</td><td>50</td></tr> <tr><td>140</td><td>200</td></tr> <tr><td>150</td><td>300</td></tr> <tr><td>155</td><td>400</td></tr> <tr><td>160</td><td>500</td></tr> <tr><td>160</td><td>600</td></tr> </tbody> </table>	Flow Rate (SLM)	Pressure (mmH <sub>2</sub> O)	35	50	140	200	150	300	155	400	160	500	160	600	<p>Outlet: 250~2000 mmH<sub>2</sub>O Bore Size: 5.6 mm Inlet Pressure: 2 kg/cm<sup>2</sup></p>  <table border="1"> <caption>Data for Spring B, Inlet Pressure 2 kg/cm<sup>2</sup></caption> <thead> <tr> <th>Flow Rate (SLM)</th> <th>Pressure (mmH<sub>2</sub>O)</th> </tr> </thead> <tbody> <tr><td>330</td><td>250</td></tr> <tr><td>400</td><td>500</td></tr> <tr><td>400</td><td>1000</td></tr> <tr><td>400</td><td>1500</td></tr> <tr><td>400</td><td>2000</td></tr> </tbody> </table>	Flow Rate (SLM)	Pressure (mmH <sub>2</sub> O)	330	250	400	500	400	1000	400	1500	400	2000
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## Curve Table: Pressure (mmH<sub>2</sub>O) / Flow Rate (SLM)

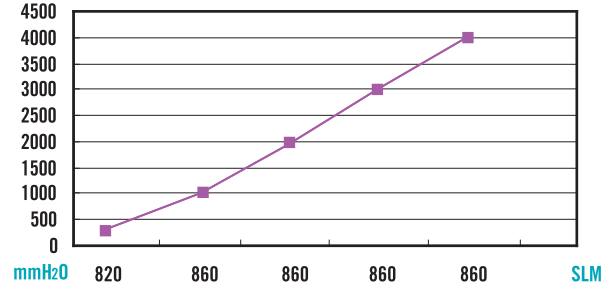
Fluid: Air

### Spring C

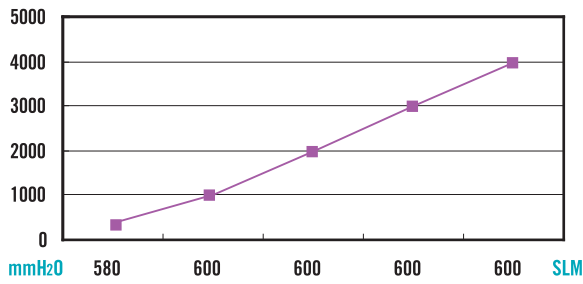
Outlet: 400~4000 mmH<sub>2</sub>O  
Bore Size: 5.6 mm  
Inlet Pressure: 2 kg/cm<sup>2</sup>



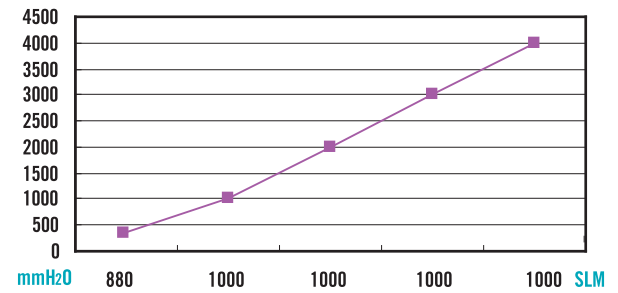
Outlet: 400~4000 mmH<sub>2</sub>O  
Bore Size: 5.6 mm  
Inlet Pressure: 5 kg/cm<sup>2</sup>



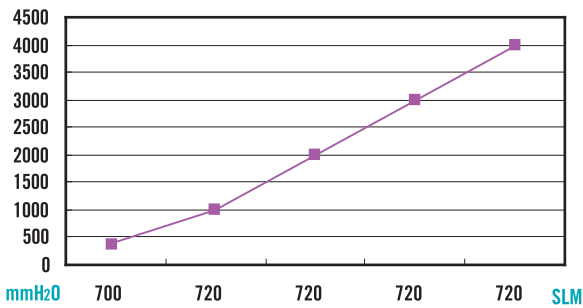
Outlet: 400~4000 mmH<sub>2</sub>O  
Bore Size: 5.6 mm  
Inlet Pressure: 3 kg/cm<sup>2</sup>



Outlet: 400~4000 mmH<sub>2</sub>O  
Bore Size: 5.6 mm  
Inlet Pressure: 6 kg/cm<sup>2</sup>



Outlet: 400~4000 mmH<sub>2</sub>O  
Bore Size: 5.6 mm  
Inlet Pressure: 4 kg/cm<sup>2</sup>

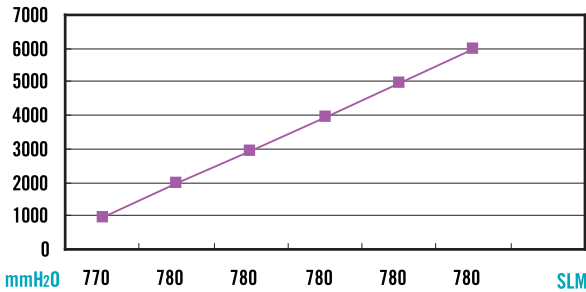


**Curve Table: Pressure (mmH<sub>2</sub>O) / Flow Rate (SLM)**

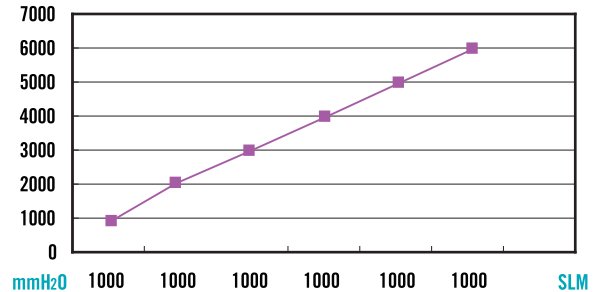
**Fluid: Air**

**Spring D**

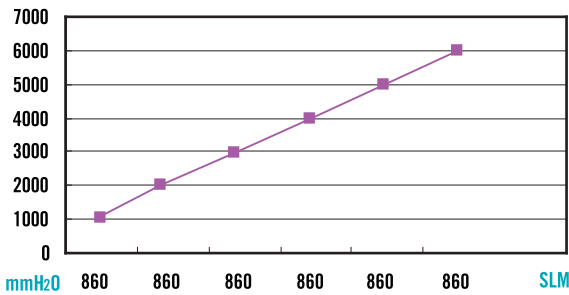
Outlet: 1000~6000 mmH<sub>2</sub>O  
Bore Size: 5.6 mm  
Inlet Pressure: 4 kg/cm<sup>2</sup>



Outlet: 1000~6000 mmH<sub>2</sub>O  
Bore Size: 5.6 mm  
Inlet Pressure: 6 kg/cm<sup>2</sup>



Outlet: 1000~6000 mmH<sub>2</sub>O  
Bore Size: 5.6 mm  
Inlet Pressure: 5 kg/cm<sup>2</sup>



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**Ordering Information**

↓ ↓ ↓ ↓ ↓	<b>DRV-10</b>	<b>Code</b>	<b>Instrument Connection (Female) Inlet x Outlet</b>
			(A) 1/2"NPT(F) x 3/4"NPT(F) (B) 1/2"BSP(F) x 3/4"BSP(F)
		<b>Code</b>	<b>Diaphragm Material</b>
		A	NBR + PTFE foil
		<b>Code</b>	<b>Spring Range</b>
			(A) 50~600 mmH <sub>2</sub> O (B) 250~2000 mmH <sub>2</sub> O (C) 400~4000 mmH <sub>2</sub> O (D) 1000~6000 mmH <sub>2</sub> O
		<b>Code</b>	<b>Body Material</b>
		A	CF8M
<b>DRV-10</b>			<b>Complete Ordering Code</b>

VALVE