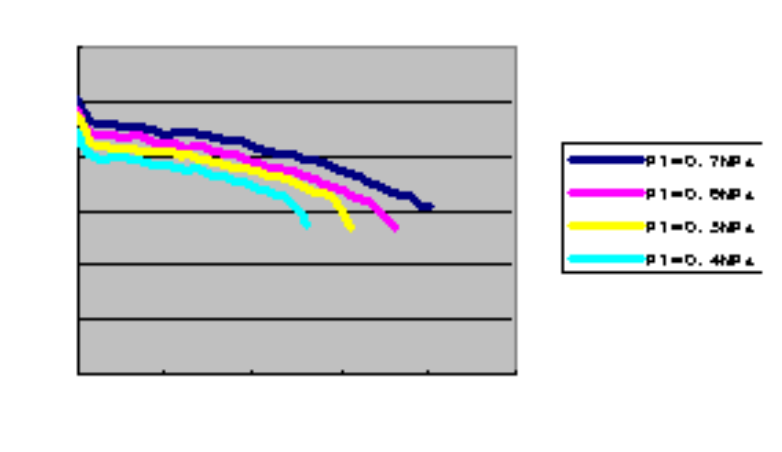
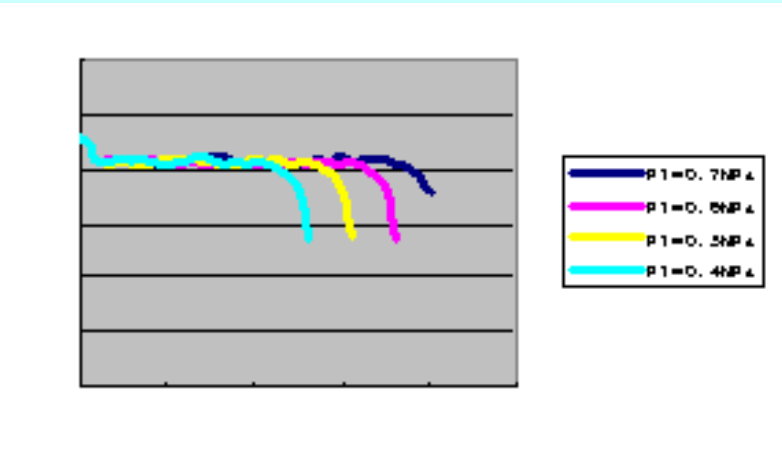


REGIT Difference in flow rate characteristics from conventional direct acting type

- Direct Acting Type– weight (loading) element, measuring element, restricting element. Which means that it works directly on the outlet pressure. It has good responsiveness, fairly easy to maintain and low cost however it's flow rate characteristics are not good.
- Pilot Operated – This is more accurate and used mainly on high capacity governors. It uses its own outlet pressure in the cover to control the diaphragm. As the gas consumption on the secondary side increases the supply pressure decreases. The secondary side supply pressure fluctuation is large as a result of the influence of the primary fluctuations. It has good flow rate characteristics but its responsiveness is not very good, maintenance not easy and a higher cost than direct operated types.
- Built in Venturi type – as the secondary side gas consumption increases the supply pressure rises because of the Venturi effect. The secondary side supply pressure fluctuation is large as a result of the primary side supply pressure – it often gives a surge.
It is designed to keep within specification or the pressure would keep going up.
- ACTIVE VENTURI SYSTEM (AVS) – a stable supply pressure can be maintained without being influenced by the secondary side gas consumption and the stable supply pressure can be maintained without being influenced by the primary pressure fluctuations.
The Boost adjustment valve – keeps surging at bay and keeps the flat line.
- The REGIT range of governors utilizes the Active Venturi System to maintain its perfect performance.

Improvement of Flow Characteristic

	Graph Image	Comments
<p>General Direct-Operated Governor</p>		<p>■ Droop (Offset) Droop and offset are terms used to describe the phenomenon of P2 dropping below setpoint as flow increases. (Please refer to the graph of general direct-operating governor)</p>
<p>REGIT50</p>		<p>■ Shift Phenomenon in which outlet pressure is out of the setting value by fluctuation of primary pressure. (Please refer to the graph image of general direct-act governor)</p>