

Proportional Pressure Control Product Selection

Select the proportional pressure control valve that best meets the requirements of your application

PRODUCT



Shorten development times, increase throughput and minimize scrap from standard to the most challenging applications

- Series 608/609 Sentronic^D and Series ED05 meet a broad range of application requirements and the most popular configurations ship in 2 days (see reverse for details)
 - ED02 is an all-around performer for applications with low flow requirements and easily stacks into a compact manifold
 - Sentronic products are available with free setup software that makes valve customization possible for non-standard application requirements and helps OEMs reduce project development times and optimize performance
 - Specialty constructions* for high and low pressures and flows, vacuum, oxygen service, aggressive media, large temperature ranges, rail and explosion-proof requirements
 - Incorporate AV-EP proportional valves right onto valve systems for individual outputs or zoned pressure control of AV03 or AV05 valves
 - Engage our expertise to select the best valve for your project
- *Special constructions available upon request
























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Product Selection — Start with Sentronic^D & ED05




Use the chart below when application requirements fall outside the Sentronic^D and ED05 offering.

	LOW		HIGH
PRESSURE	 <p>All 614 Sentronic^{PLUS} sizes 1.45 & 7.25 psig ranges 1/8", 1/4", 1/2" & 1"</p>		 <p>ED07 Cv 1.3 (3/8") 290 psig</p>  <p>614 Cv .032 or .21 (1/8") 362 psig +</p>  <p>614 Cv .7 (1/4") 725 psig</p>
FLOW	 <p>614 Cv .032 or .21 (1/8") 290 psig</p>  <p>ED02 Cv .12 (1/8") 150 psig</p>	<p>608/609 Sentronic^D 14.5 to 217.5 psig Cv 0.5 (1/4") & 1.3 (3/8") 21 to 40 Watts</p> <p>Competitive Pricing, Outstanding Performance</p>	 <p>ED07 Cv 1.3/2.6 290/145 psig</p>  <p>617 Cv 5.5 1/2" 150 psig</p>  <p>614 Cv 5.5 (1") 174 psig Cv 1.4 (1/2") 174 psig</p>
PRICE	 <p>Sentronic^P 1/4" to 1/2"</p>  <p>ED02</p>	 <p>ED05 87 to 145 psig Cv 1.0 (1/4") 31 Watts</p>	 <p>Sentronic^{PLUS} 1/8 to 1"</p>  <p>Sentronic^{HD}</p>  <p>ED07/ED12</p>
POWER	 <p>EV03 3 - 5 Watts Cv .5 (1/4")</p>  <p>617 3.6 Watts Cv .5 to 5.5 (1/4" - 1/2")</p>  <p>ED02 7.2 Watts Cv .12 (1/8")</p>  <p>614 12 Watts Cv .21 (1/8")</p>	 <p>ED05 87 to 145 psig Cv 1.0 (1/4") 31 Watts</p>	 <p>ED07 34 Watts Cv 1.3/2.6 (3/8" or 3/4")</p>  <p>614 44 Watts Cv 5.5 (1")</p>

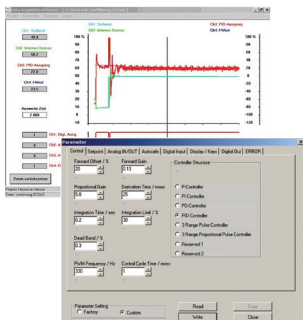
Solenoid Air-Piloted

Static Applications	High Precision or Dynamic Flowing Conditions
 <p>617 Sentronic^P</p>  <p>EV03</p>	 <p>616 Sentronic^{HD}</p>

Direct-acting

Dynamic Applications
 <p>608/609 Sentronic^D</p>  <p>ED05</p>  <p>ED02</p>  <p>614 Sentronic^{PLUS}</p>  <p>ED07 / ED12</p>

Software Package Features (Works with all Sentronic products)



Parameter Setup

- Change PID control loop parameters to meet application requirements
 - Streamline application development
 - Save and email parameters to application
- For assistance: numaticsae@emerson.com

Scope Function

- Select and view various operating outputs while the valve runs in the application
- Great for discovering and correcting application problems early in the development process!

AVENTICS™ For more information:
www.Emerson.com/AVENTICS

