

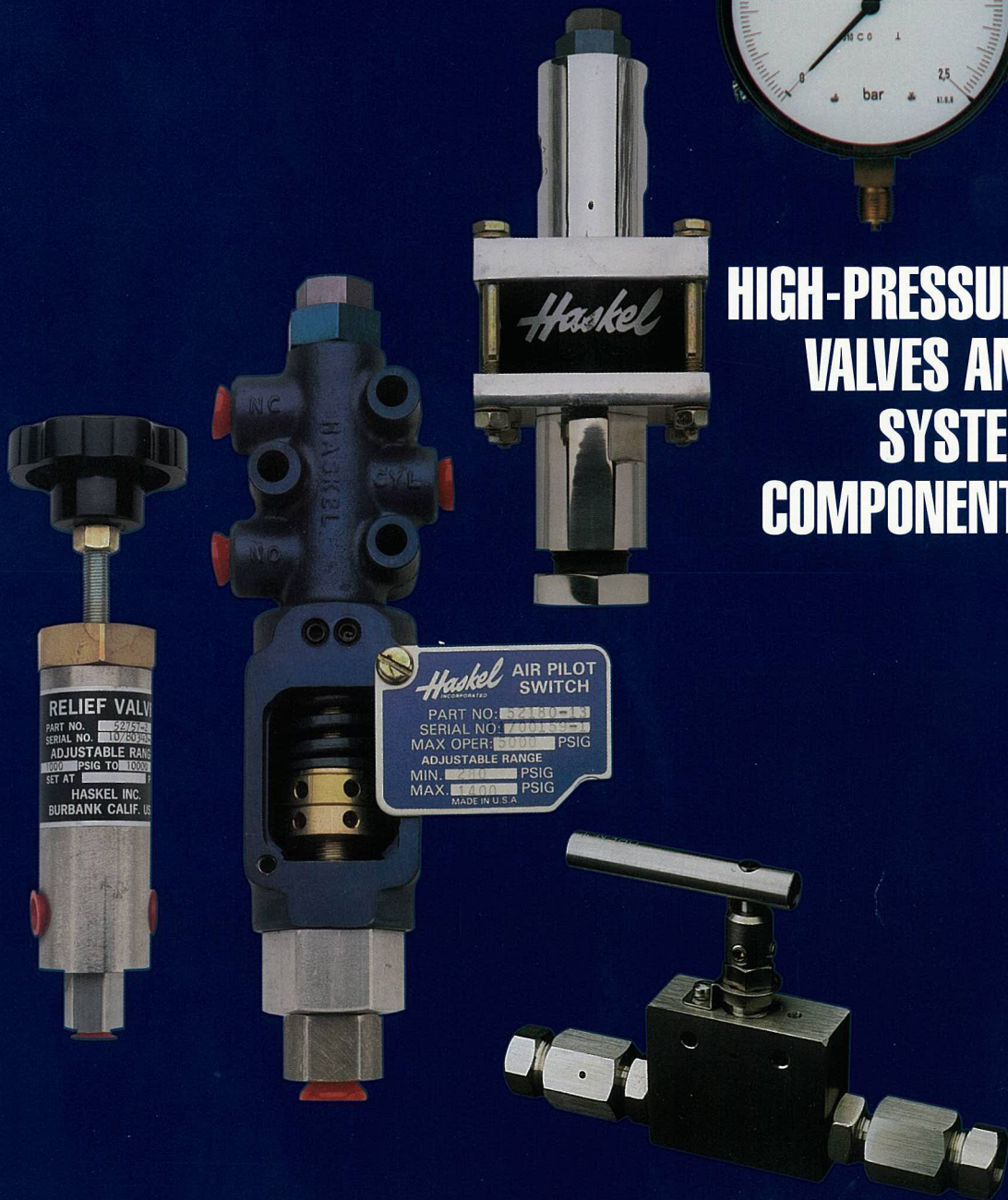


# Haskel

MILTON ROY



## HIGH-PRESSURE VALVES AND SYSTEM COMPONENTS



OUR PRODUCTS ARE BACKED BY OUTSTANDING TECHNICAL SUPPORT, AN  
EXCELLENT REPUTATION FOR RELIABILITY AND WORLDWIDE DISTRIBUTION



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Haskel International, Inc.  
Burbank, California, U.S.A.



Haskel Energy Systems, Ltd.  
Sunderland, England, U.K.

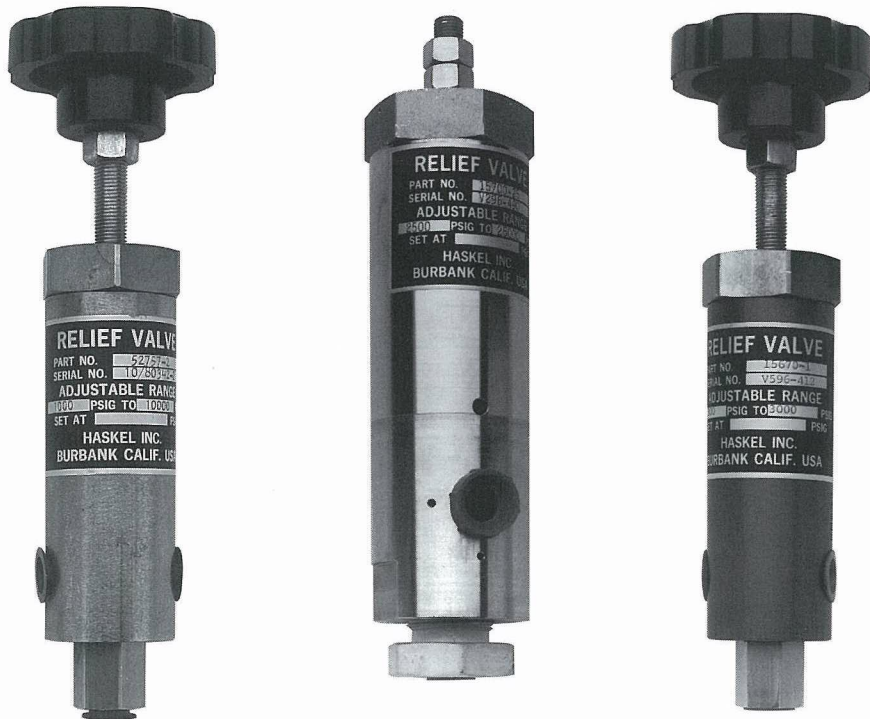
Haskel International, Inc. has almost 50 years of hydraulic and pneumatic engineering experience in the design and manufacture of air driven gas boosters, air amplifiers and liquid pumps. Located in Burbank, California, U.S.A., with an additional manufacturing plant in Sunderland, United Kingdom, the company is supported by a worldwide network of offices and distributors.

Haskel products now offer the most complete range in this industry, whether measured by ultimate pressure flow or output horsepower capability; or by the variety of media with which they are compatible. The high-pressure valves and system components described in this catalog have been designed to assist in the controlled use of pressure and flow-generating equipment manufactured by Haskel, as well as others.

Continuous investment in the most modern machinery and technology ensures that Haskel will remain the leader in this field.

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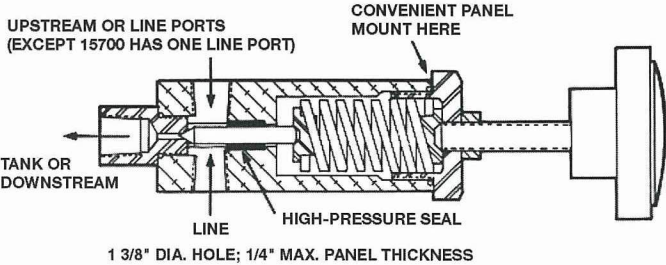
# REGULATING RELIEF VALVES



These valves were originally developed in response to the need for accurate regulation of high pressure at low flow without the "chatter" often encountered with valves of this size. They are differential area poppet design with a high ratio between seal and seat area for smooth control, repeatability and low deadband between crack and reseal pressure.

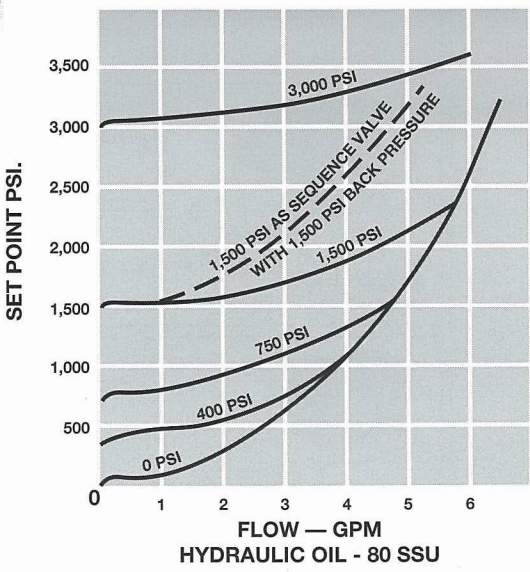
bubble tight, they do an excellent job holding high-pressure gas due to their precision poppet and hardened stainless steel seat with heavy silver plating.

**Flow capacity** is ultimately determined by the seat orifice and its CV rating as listed in the chart of models. The following curves show the typical effect of the .070" seat orifice as flow increases from the point at which the valve is set to relieve.



The configuration also makes the control settings virtually unaffected by downstream outlet pressure. This enables the valves to be also used for back pressure control (upstream pressure controller) or as a sequence (priority pressure) valve.

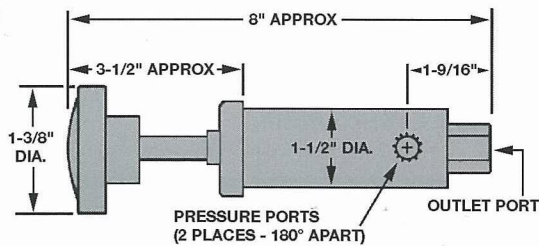
Materials of construction options seen in the chart of model numbers provide selections for most liquids including plain water plus most industrial gases including pure oxygen. Note that the nylon insert seat models are recommended for all gas applications below 10,000 psi. The 15700 series valves for service up to 60,000 psi are normally used as safety valves at these pressures. Although not rated as



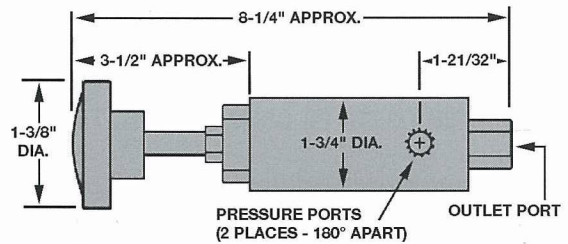
MODEL NUMBER	SERVICE	PRESSURE RANGE	PORTS		MATERIAL			ORIFICE DATA	
			PRESSURE	OUTLET	BODY	SEAT	SEAL	DIA.	CV
15570-1 15570-2 15570-3	Liquid Liquid Liquid	300 - 3000 psi 600 - 6000 psi 1000 - 10,000 psi	1/4" NPT 1/4" NPT 1/4" NPT	1/4" NPT 1/4" NPT 1/4" NPT	Alum. Alum. Steel	St. Steel St. Steel St. Steel	Buna-N Buna-N Buna-N	.070" .070" .070"	.12 .12 .12
15670-1 15670-2	Gas or Liq. Gas or Liq.	300 - 3000 psi 600 - 6000 psi	1/4" NPT 1/4" NPT	1/4" NPT 1/4" NPT	Alum. Alum.	Nylon Nylon	Buna-N Buna-N	.070" .070"	.12 .12
15900-1 15900-2	Gas or Liq. Gas or Liq.	30 - 300 psi 75 - 750 psi	1/4" NPT 1/4" NPT	1/4" NPT 1/4" NPT	Alum. Alum.	Nylon Nylon	Buna-N Buna-N	.156" .156"	.58 .58
15901-1 15901-2	Liquid Liquid	30 - 300 psi 75 - 750 psi	1/4" NPT 1/4" NPT	1/4" NPT 1/4" NPT	Alum. Alum.	St. Steel St. Steel	Buna-N Buna-N	.296" .296"	2.09 2.09
15960-1 15960-2	Liquid Liquid	300 - 3000 psi 150 - 1500 psi	3/8" NPT 3/8" NPT	3/8" NPT 3/8" NPT	Alum. Alum.	St. Steel St. Steel	Buna-N Buna-N	.187" .187"	.83 .83
15700-25 15700-26 15700-60	Liq./Gas ** Liq./Gas ** Liq./Gas **	2500 - 25,000 psi 2500 - 25,000 psi 10,000 - 60,000 psi	1/4" S.P.* 1/4" S.P.* 1/4" S.P.*	1/4" NPT 1/4" S.P.* 1/4" NPT	St. Steel St. Steel St. Steel	St. Steel St. Steel St. Steel	Buna-N Buna-N Buna-N	.070" .070" .070"	.12 .12 .12
27741-1 27741-2 27741-3 27741-4 27741-11 27741-12	Liquid Liquid Gas or Liq. Gas or Liq. Oxygen Oxygen	300 - 3000 psi 1000 - 10,000 psi 300 - 3000 psi 1000 - 10,000 psi 300 - 3000 psi 500 - 5000 psi	1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT	1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT	St. Steel St. Steel St. Steel St. Steel St. Steel St. Steel	St. Steel St. Steel Nylon Nylon Nylon Nylon	Viton/PTFE Viton/PTFE EPR/PTFE EPR/PTFE Viton/PTFE Viton/PTFE	.070" .070" .070" .070" .070" .070"	.12 .12 .12 .12 .12 .12

\* Superpressure \*\* Not bubble-tight on gas service

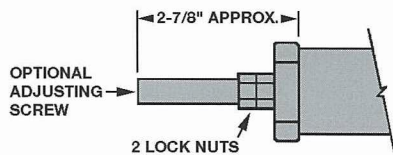
### MODELS 15570, 15670, 15900, 15901 & 27741



### MODEL 15960



### TO ORDER WITH ADJUSTING SCREW (NO KNOB)



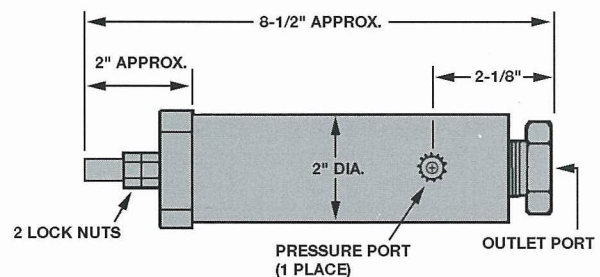
#### FOR MODELS

15570-1, 2, 3  
15670-2, 2  
27741-1, 2, 3, 4, 11, 12

#### ORDER

27560-XX  
28440-XX  
28580-XX

### MODEL 15700





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