



June 7, 2019

Subject:



To Our Valued Customers:

Hansen is excited to announce the launch and standardization of our self-alarmed relief valve technology named POP-EYE. This innovative technology provides positive indication (bright, flashing LED) when a relief valve lifts and as such eliminates subjectivity and personnel hazard in trying to identify the valve that lifted. To learn more, please find additional information and a video at our website <http://www.hantech.com/popeye>

Hansen will start transitioning to POP-EYE and Anti Corrosion Technology (ACT) on all reduced capacity H56xx“R” Series relief valves beginning July 8, 2019. All new orders for H56xx“R” series relief valves received on or after July 8, 2019 will include both POP-EYE and ACT and will be priced per the table below. Existing orders received prior to July 8, 2019 will still receive the “Old Style” relief valves at current pricing (no POP-EYE or ACT); unless specifically requested.

H56xx“R” Series “Reduced Capacity” Relief Valve pricing **effective July 8, 2019**

Model	Connections		List Price		Weight			
			Single	Dual	Single		Dual	
	Bottom Inlet	Side Outlet	Reduced	Reduced	lbs	(kg)	lbs	(kg)
H5600R	½" FPT	¾" FPT	\$448	\$1,412	4	(1.8)	12	(5.4)
H5602R	¾" FPT	1" FPT	\$540	\$1,621	4	(1.8)	12	(5.4)
H5632R	¾" FPT	1" FPT	\$540	\$1,621	4	(1.8)	12	(5.4)
H5633R	1" FPT	1¼" FPT	\$766	\$2,311	8	(3.6)	27	(12.2)
H5634R	1¼" FPT	1½" FPT	\$1,223	\$3,456	8	(3.6)	27	(12.2)

Note: POP-EYE valves have the same base catalog numbers, National Board (NB) certified capacities, pressure settings and installation dimensions.

Hansen Technologies Corporation

681 Commerce Street Burr Ridge, IL 60527 USA T 630.325.1565 F 630.325.1572 info@hantech.com www.hantech.com



The second stage of this transition will be the remaining H56xx "Standard Capacity" relief valves starting August 1, 2019. All orders for these standard capacity valves thru the transition date will be filled with the "Old Style" relief valves. They will be priced accordingly at time of order per the table below.

H56xx Series "Standard Capacity" Relief Valve pricing **effective August 1, 2019.**

Model	Connections		List Price		Weight			
			Single	Dual	Single		Dual	
	Bottom Inlet	Side Outlet	Standard	Standard	lbs	(kg)	lbs	(kg)
H5600A	½" FPT	¾" FPT	\$448	\$1,412	4	(1.8)	12	(5.4)
H5601	½" FPT	1" FPT	\$451	\$1,418	4	(1.8)	12	(5.4)
H5602	¾" FPT	1" FPT	\$540	\$1,621	4	(1.8)	12	(5.4)
H5613	1" FPT	1¼" FPT	\$766	\$2,311	8	(3.6)	27	(12.2)
H5604	1¼" FPT	1½" FPT	\$1,223	\$3,456	8	(3.6)	27	(12.2)

Please find attached additional information on how to identify relief valves with POP-EYE and ACT along with some FAQ's. Also below please find below hyperlinks to above pricing and 2019 List Price Schedule.

Sincerely,

HANSEN TECHNOLOGIES CORPORATION

Harold W. Streicher
V.P. Business Development

Encl: POP-EYE Supplement and page 20 of LP0419a







[Link to download List Price Schedule LP0419a \(PDF\)](#)

[Link to download LP0419a List Prices \(Excel file\)](#)

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HOW TO IDENTIFY POP-EYE RELIEF VALVES

	Prior to July 8, 2019	After July 8, 2019
Specifications	<p>Old Style</p> <p>Material Specifications</p> <p>Model numbers H5600A, H5600R, H5601, H5602, H5602R, H5632R, H5613, H5633R, H5604, H5634R</p> <p>Material Ductile iron</p> <p>Coating Paint</p> <p>Lift Detection N/A</p> <p>Certifications National Board, ANSI/ASHRAE 15, CE, CRN</p> <p>Safe Working Pressure 400psig (28 bar)</p> <p>Setting Range 150 to 400 psig (10.4 to 28 bar)</p> <p>Capacity Range 10.5 to 182 lb/min</p>	<p>POP-EYE</p> <p>Material Specifications</p> <p>Model numbers H5600A, H5600R, H5601, H5602, H5602R, H5632R, H5613, H5633R, H5604, H5634R</p> <p>Material Ductile iron</p> <p>Coating ACT (Anti Corrosion Technology) - New</p> <p>Lift Detection POP-EYE (self-alarms indicator) - New</p> <p>Certifications National Board, ANSI/ASHRAE 15, CE, CRN</p> <p>Safe Working Pressure 400psig (28 bar)</p> <p>Setting Range 150 to 400 psig (10.4 to 28 bar)</p> <p>Capacity Range 10.5 to 182 lb/min</p>
Ordering	<p>Catalog Number Description</p> <p>H5600R/250 NH3 PRESS RELIEF VLV 1/2"x3/4", RED, SET@250PSI</p> <p>H5600R/300 NH3 PRES RLF VLV 1/2"x3/4",RED,SET@300 PSI</p> <p>H5600R/150 NH3 PRESS RLF VALVE 1/2"x3/4",REDUCED,SET@150PSI</p>	<p>Catalog number Description</p> <p>H5600R/250-P NH3 PRESS RELIEF VLV 1/2"x3/4", RED, SET@250PSI,EYE</p> <p>H5600R/300-P NH3 PRES RLF VLV 1/2"x3/4",RED,SET@300 PSI,EYE</p> <p>H5600R/150-P NH3 PRESS RLF VALVE 1/2"x3/4",REDUCED,SET@150PSI,EYE</p> <p><i>"P" suffix added to item number for internal purposes. Base Catalog number remains same.</i></p>
Box Label		 New
Nameplate		 Same
Appearance		 New (POP-EYE) New (ACT coating)

FAQ's

Questions	Answers
What is POP-EYE?	POP-EYE is an integral, self-alarms indicator which is becoming standard on all Hansen H56xx series pressure relief valves. When a pressure lift (event) occurs, the LED light located in the cap will begin to flash. POP-EYE is suitable for indoor/outdoor installation.
What is ACT and Why?	Hansen's proprietary anti-corrosion technology (ACT) protects the exterior of this safety device from rust; helping to ensure a maintenance-free life.
How long will it flash?	The bright red LED indicator light will flash for 2+ weeks. The light should be visible 3 to 9 feet (1 to 3 meters) depending on ambient light.
Do I need power POP-EYE?	No, POP-EYE uses an internal battery (~7+ year life) which does not need to be replaced.
How do I test POP-EYE?	Hold a magnet against the cap in the designated area to test the circuit and temporarily illuminate the light.
Do all valves have POP-EYE?	POP-EYE will become a standard feature on the H56xx series valves beginning in July - August of 2019. Eventually, we will offer POP-EYE on the EZ-SRV cartridge style relief valves.
What is the price for POP-EYE?	POP-EYE pricing has been updated per Hansen List Price Schedule LP0419a.
Can I order "Old Style" valves?	Old Style PRV's will be obsoleted due to standardization of POP-EYE on all H56xx series valves. As of July 2019 all H56xx"R" valves will be available as POP-EYE only. As of August 2019 all H56xx series valves will be standardized with POP-EYE™.
Can I return "Old Style" valves?	Hansen valves are warranted against defective materials and workmanship for one year Ex Works our factory. For new and unused relief valves, re-stock returns must be made within 60 days or less from date of shipment.
What is the lead time?	Current lead times will apply to POP-EYE valves.
Will I need a MOC for POP-EYE?	The capacities and ratings are identical to the 'Old Style' relief valves. The inlet/outlet connections and base catalog numbers (i.e. H5600R/250) also remain the same. However, Management of Change (MOC) procedures and documentation requirements must be followed. Helpful things to consider include adding inspection and testing procedure to verify light is operational. Also, consider adding to Standard Operating Procedures (SOP) what to do when a release is detected via gas detection or when POP-EYE light is activated.

PRESSURE RELIEF VALVES

Designed to provide emergency relief from excessive pressure in refrigerant containing vessels. Built in strict conformance with ASME Boiler and Pressure Vessel Code requirements for safety relief devices. Each valve bears the ASME code symbol of certification (UV). Capacities are rated by the National Board of Boiler and Pressure Vessel Inspectors. All pressure relief valves feature an installation date tag.

Reduced Capacity

Reduced capacity pressure relief valves meet discharge line sizing requirements; pressure drop through the Hansen three-way dual manifold valve is less than 3% of the pressure setting. Green date tag indicates reduced capacity valve. Add "R" suffix to model number.

To Order: Specify model number, inlet/outlet connection size and pressure setting. For reduced capacity, dual or dual union options, add appropriate suffix to model number. For CO₂ service, contact factory.

New!!! Setting Certificate, access to electronic version of setting certificate now included.



H5600R

Model	Connections		List Price		Weight			
			Single	Dual†	Single		Dual	
	Bottom Inlet	Side Outlet	Standard	Standard	lbs	(kg)	lbs	(kg)
H5600A	½" FPT	¾" FPT	\$448	\$1,412	4	(1.8)	12	(5.4)
H5601	½" FPT	1" FPT	\$451	\$1,418	4	(1.8)	12	(5.4)
H5602	¾" FPT	1" FPT	\$540	\$1,621	4	(1.8)	12	(5.4)
H5613	1" FPT	1¼" FPT	\$766	\$2,311	8	(3.6)	27	(12.2)
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Reduced Capacity Pressure Relief Valves

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†Dual Pressure Relief Valve Kit includes two pressure relief valves, a three-way dual shut-off valve, and two nipples, unassembled. Add "D" suffix to model number.

Standard pressure settings: 150*, 175, 200, 225, 250*, 275, 300*, 325, 350 psig. 400 psig (28 bar g) available for all models except H5601 and H5602. (*Stock pressure settings.) Custom pressure settings in psig, bar, or kPa are available upon request. Minimum pressure setting is 150 psig. For halocarbon systems, rupture disc assemblies are required; see below.

THREE-WAY DUAL SHUT-OFF VALVES

For parallel installation of pressure relief valves in accordance with ANSI/ASHRAE 15-2007 Safety Code for Mechanical Refrigeration (pressure vessels having 10 cubic feet or more of internal gross volume, shall be fitted with dual pressure relief valves). Considered the only acceptable type of shut-off valve for use with refrigerant relief piping because one valve remains operational, while the other is being replaced; thereby eliminating the need to remove refrigerant from the vessel. UPDATED NOTE: 600 PSIG SWP

To Order: Specify model number and connection size.

Model*	Size	List Price		Weight	
		FPT	SW, BW		
		Standard	Standard	lbs	(kg)
H8021	½"	\$283	\$341	3	(1.3)
H8022	¾"	\$297	\$355	3	(1.3)
H8024	1"	\$470	\$563	10	(4.5)
H8025	1¼"	\$656	\$788	10	(4.5)

* Standard Inlet and outlet connections are threaded female NPT all the same size. Add "S" suffix (socket weld) or "W" suffix (butt weld) to model number, ie H8021S, H8022W



H8021

RUPTURE DISC ASSEMBLY

Relief device used in series with a pressure relief valve. Two 1/8" FPT side ports are provided for installation of a pressure gauge or switch to indicate a discharge. For halocarbon systems, rupture disc assemblies are required; see below.

To Order: Specify model number, pressure setting (150, 250, 300, 350 or 400* psi), and optional pressure gauge or pressure switch. *400 psi available for RDA1 and RDA2 only.

1/8" MPT Pressure Gauge, **HG25: List Price \$110.** 1/8" MPT Pressure Switch, **HPS: List Price \$451.**

Stamped capacity of relief valve when installed with rupture disc device between the inlet of the valve and the vessel shall be multiplied by a factor 0.90 of the rated relieving capacity of the relief valve alone.

Model	Connection Size MPT x MPT	List Price	Weight lbs (kg)
RDA1	½" MPT x MPT	\$563	1 (0.5)
RDA2	¾" MPT x MPT	\$725	2 (0.9)
RDA4A	1" MPT x FPT	\$823	2 (0.9)
RDA5A	1¼" MPT x FPT	\$948	3 (1.4)



Three Way Dual Relief Valve with Rupture Disc Assembly and Pressure Gauges



Self-Alarming Relief Valves!

Detects when relief valve lifts.
Provides bright LED indication.
Includes ACT Coating.

* List Prices for H56xx series relief valves will change beginning July 8, 2019 as shown (based on availability).