

CRANKCASE PRESSURE REGULATING VALVES



CROT

Crankcase Pressure Regulating Valves are designed to prevent overloading of the compressor motor by limiting the crankcase pressure to a predetermined maximum value during and after a defrost cycle or a normal shutdown period. These valves automatically throttle the vapor flow from the evaporator until the compressor can handle the load.

Sporlan manufactures five adjustable models... CRO-4, CRO-6, CROT-6, CRO-10 and CROT-10... all models respond only to their outlet pressure and modulate to prevent the suction pressure at the compressor from rising above the valve setting. Since these valves are adjustable, the setting may be altered to suit the specific system requirements.

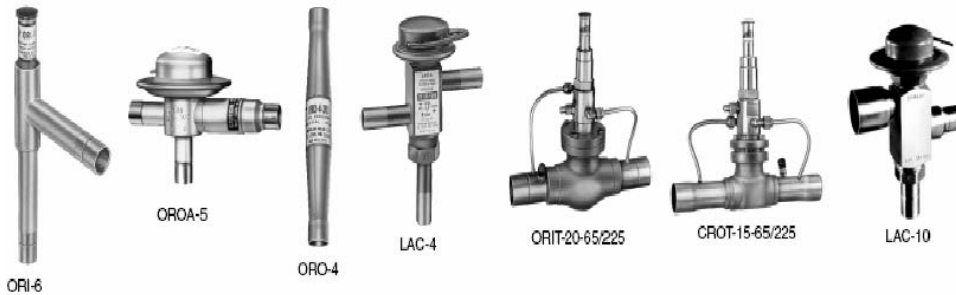
SELECTION and CAPACITY RATINGS

The ratings for these valves vary depending on three items: design suction pressure after pull down, maximum allowable suction pressure recommended by the compressor or unit manufacturer (this is the valve setting), and pressure drop across the valve. The difference between the design suction pressure and the valve setting determines how much of the valve stroke is used. Therefore, the valve setting should be kept as high as possible without exceeding the recommendation of the compressor or unit manufacturer.

PART NO*	SPORLAN MODEL
	CRO-4-0/20 4X4 ODF LS
	CROT-10 30/110 9 ODF WS
	CROT-10 30/110 11 ODF WS
	CROT-10 0/6011 ODF WS
	CROT-10 0/60 1-1/8" ODF
	CROT-10 0/60 7 ODF WS
	CROT-10 30/110 7 ODF WS
	CROT-12-65/225 9 ODF
	CROT-15-65/225 11 ODF
	CROT-6 0/60 5 ODF WS
	CROT-6 0/60 1/2" SAE
	CROT-6 0/60 5/8" SAE
	CROT-6 0/60 7 ODF WS
	CROT-6 30/110 5 ODF WS
	CROT-6 30/110 7 ODF WS

*() Please contact your local Carlyle Certified Refrigeration Partner or RCD Customer Service for P/N and Pricing.

PRESSURE REGULATING VALVES HEAD PRESSURE CONTROL VALVES



Sporlan Head Pressure Control for systems with air cooled condensers can be accomplished with several valve types or combinations.

The valve types are: LAC-4, OROA-5, LAC-5, LAC-10, ORI/ORD combination and the ORIT/CROT combination.

The LAC, OROA, ORI and ORIT are designed for application in the liquid line and should not be applied in the discharge line for any reason. Compressor pulsations can greatly shorten the life of the valves. If any of the valves are applied in any manner other than described here, the Sporlan warranty is void.

PART NO*	SPORLAN MODEL
	ORD-4-20 5/8 ODF
	ORD-4-20 7/8 ODF
	ORD-4-25 5/8 ODF
	ORD-4-30 5/8 ODF
	ORD-4-35 5/8 ODF
	ORI-10 65/225 1-1/8"
	ORI-10 65/225 1-3/8"
	ORI-10 65/225H 7 ODF WS
	ORI-10 65/225H 11 ODF WS
	ORI-6 65/225 5/8" WS
	ORI-6 0/50 5 ODF WS
	ORI-6 65/225 7/8" WS
	ORI-6 65/225H 9 ODF WS
	ORIT-15-65/225 11 ODF
	ORIT-20-65/225 13 ODF

PART NO*	SPORLAN MODEL
	OROA-5-100 5/8 ODF WS
	OROA-5-100 7/8 ODF WS
	OROA-5-150 7/8 ODF WS
	OROA-5-180 5/8 ODF WS
	OROA-5-180 7/8 ODF WS
	OROA-5-220 5/8 ODF WS

IMPORTANT NOTES: WS - With Strainer
LS - Less Strainer

PART NO*	SPORLAN MODEL
	LAC-10-100 11X7 ODF LS
	LAC-10-100 11X9 ODF LS
	LAC-4-100 1/2 ODF LS
	LAC-4-180 3/8 ODF LS
	LAC-4-190 1/2 ODF LS
	LAC-4-210 1/2 ODF LS
	LAC-4-240 1/2 ODF LS
	LAC-5-100 1-1/8 ODF LS
	LAC-5-210 5/8 ODF WS
	LAC-5-75 1/2 ODF LS

PART NO*	SPORLAN MODEL
	CROT-12-65/225 9 ODF
	CROT-15-65/225 11 ODF

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