

**R-22 APR Control      FAST SELECTION TABLE      (1 through 20 tons)**  
**APR Control Model # Application Recommendations**

<b>System (or Circuit) Tonnage</b>	<b>Package or Split System</b>	<b>Maximum Suction Riser</b>	<b>Capacity Modulation Percentage</b>	<b>Recommended APR Control Model Number</b>	<b>APR tons Capacity Control</b>
<b>1.0 tons</b>	package split	N/A	70%	<b>APR-0.7</b>	0.7 tons
		5/8" OD	70%	<b>APR-0.7</b>	0.7 tons
<b>1.5 tons</b>	package split	N/A	60%	<b>APR-0.9</b>	0.9 tons
		5/8" OD	60%	<b>APR-0.9</b>	0.9 tons
<b>2.0 tons</b>	package split	N/A	72%	<b>APR-1R</b>	1.45 tons
		5/8" OD	72%	<b>APR-1R</b>	1.45 tons
<b>2.5 tons</b>	package split	N/A	58%	<b>APR-1R</b>	1.45 tons
		7/8" OD	58%	<b>APR-1R</b>	1.45 tons
<b>3.0 tons</b>	package split	N/A	48%	<b>APR-1R</b>	1.45 tons
		7/8" OD	48%	<b>APR-1R</b>	1.45 tons
<b>3.5 tons</b>	package split split	N/A	68%	<b>APR-1D</b>	2.4 tons
		7/8" OD	68%	<b>APR-1D</b>	2.4 tons
		1-1/8" OD	41%	<b>APR-1R</b>	1.45 tons
<b>4.0 tons</b>	package split split	N/A	60%	<b>APR-1D</b>	2.4 tons
		7/8" OD	60%	<b>APR-1D</b>	2.4 tons
		1-1/8" OD	36%	<b>APR-1R</b>	1.45 tons

Capacity Control / Fast Selection Chart continued on next page.

**APR Control recommendation is based on best performance, as well as, suction line size in split systems.**  
**Staging** - Compressors that are manifolded must be treated as one single large compressor, with APR Control installed at the dual (or tripled) lines. The APR Control will act as capacity modulator when one or more compressors start, changing capacities as each stage comes on-line, responding to changing load requirements. Example: 20 ton Condensing Unit with two compressors manifolded together to a single circuit. An installed APR-2 (5.0 tons capacity control) will act to modulate capacity from 20 tons down to 15 tons, and when the second stage compressor turns off, the APR-2 will act to modulate capacity from 10 tons down to 5 tons. Because the quantity of suction gas will not fall below 5 tons, this unit will have no problems operating with a suction riser of 1-5/8" OD, oil entrainment will be satisfactory, maintaining compressor lubrication.

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<b>System (or Circuit) Tonnage</b>	<b>Package or Split System</b>	<b>Maximum Suction Riser</b>	<b>Capacity Modulation Percentage</b>	<b>Recommended APR Control Model Number</b>	<b>APR tons Capacity Control</b>
<b>5.0 tons</b>	package	N/A	68%	<b>APR-1</b>	3.4 tons
	split	7/8" OD	68%	<b>APR-1</b>	3.4 tons
	split	1-1/8" OD	48%	<b>APR-1D</b>	2.4 tons
<b>6.0 tons</b>	package	N/A	57%	<b>APR-1</b>	3.4 tons
	split	1-1/8 " OD	57%	<b>APR-1</b>	3.4 tons
<b>7.5 tons</b>	package	N/A	67%	<b>APR-2</b>	5.0 tons
	split	1-1/8" OD	67%	<b>APR-2</b>	5.0 tons
	split	1-3/8" OD	45%	<b>APR-1</b>	3.4 tons
<b>8.5 tons</b>	package	N/A	59%	<b>APR-2</b>	5.0 tons
	split	1-3/8" OD	59%	<b>APR-2</b>	5.0 tons
	split	1-5/8" OD	40%	<b>APR-1</b>	3.4 tons
<b>10 tons</b>	package	N/A	70%	<b>APR-2.5</b>	7.0 tons
	split	1-1/8" OD	70%	<b>APR-2.5</b>	7.0 tons
	split	1-3/8" OD	50%	<b>APR-2</b>	5.0 tons
	split	1-5/8" OD	34%	<b>APR-1</b>	3.4tons
<b>12.5 tons</b>	package	N/A	80%	<b>APR-3</b>	10.0 tons
	split	1-1/8" OD	80%	<b>APR-3</b>	10.0 tons
	split	1-5/8" OD	56%	<b>APR-2.5</b>	7.0 tons
<b>15 tons</b>	package	N/A	67%	<b>APR-3</b>	10.0 tons
	split	1-3/8" OD	67%	<b>APR-3</b>	10.0 tons
	split	1-5/8" OD	47%	<b>APR-2.5</b>	7.0 tons
<b>20 tons</b>	package	N/A	80%	<b>APR-3.5*</b>	16.0 tons
	split	2-1/8" OD	67%	<b>APR-3</b>	10.0 tons

\* APR-3.5 is Factory set for 58 lbs – this valve is non-adjustable.