

DuPont Refrigerants

North American HCFC General Replacement Guide for Existing Equipment

HCFC Refrigerants being Phased Out	DuPont™ ISCEON® Retrofit Options for Direct Expansion Systems		
	Low Temp Refrigeration	Medium Temp Refrigeration	Air Conditioning
R-22	ISCEON® MO99™ ¹	ISCEON® MO99 ¹	ISCEON® MO99 ¹
	ISCEON® MO29 ²	ISCEON® MO29 ²	
MP39, MP66, R409A	ISCEON® MO49Plus™ ³	ISCEON® MO49Plus ³	ISCEON® MO49Plus ²
HP80, HP81, R408A	ISCEON® MO79 ⁴	ISCEON® MO79 ⁴	
	<p>(1) MO99 combines R-22 pressure - enthalpy characteristics with mineral oil compatibility; comparable efficiency and slightly lower capacity versus R-22; no TXV change</p> <p>(2) MO29 has higher efficiency and capacity versus R-22; mineral oil compatible; TXV changes not likely; engineering assessment recommended</p> <p>(3) MO49Plus has comparable efficiency and capacity versus MP39 and R409A; MO49Plus has comparable efficiency and lower capacity versus MP66; mineral oil compatible; TXV changes not likely</p> <p>(4) MO79 has comparable capacity and efficiency versus R-502; no TXV change; no capacity assessment or pressure rating check required</p>	<p>(1) MO99 combines R-22 pressure - enthalpy characteristics with mineral oil compatibility; comparable efficiency and slightly lower capacity versus R-22; no TXV change</p> <p>(2) MO29 has comparable efficiency and lower capacity versus R-22; mineral oil compatible; TXV changes not likely; engineering assessment recommended</p> <p>(3) MO49Plus has comparable efficiency and capacity versus MP39 and R409A; MO49Plus has comparable efficiency and lower capacity versus MP66; mineral oil compatible; TXV changes not likely</p> <p>(4) MO79 has comparable capacity and lower efficiency versus R-502; mineral oil compatible; TXV change, condenser capacity assessment and pressure rating check required</p>	<p>(1) MO99 combines R-22 pressure - enthalpy characteristics with mineral oil compatibility; comparable efficiency and slightly lower capacity versus R-22; no TXV change</p> <p>(2) MO49Plus has comparable capacity and slightly lower efficiency than MP39 and R409A. MO49Plus has lower capacity and efficiency versus MP66; mineral oil compatible; TXV changes not likely</p>

*For Additional Technical Information see the Product Bulletins at www.isceon.com

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