



Suva[®] refrigerants

Only by DuPont

PRESSURE DROPS IN LINES for HP81 REFRIGERANT (20°C Evaporator Outlet) SI Units

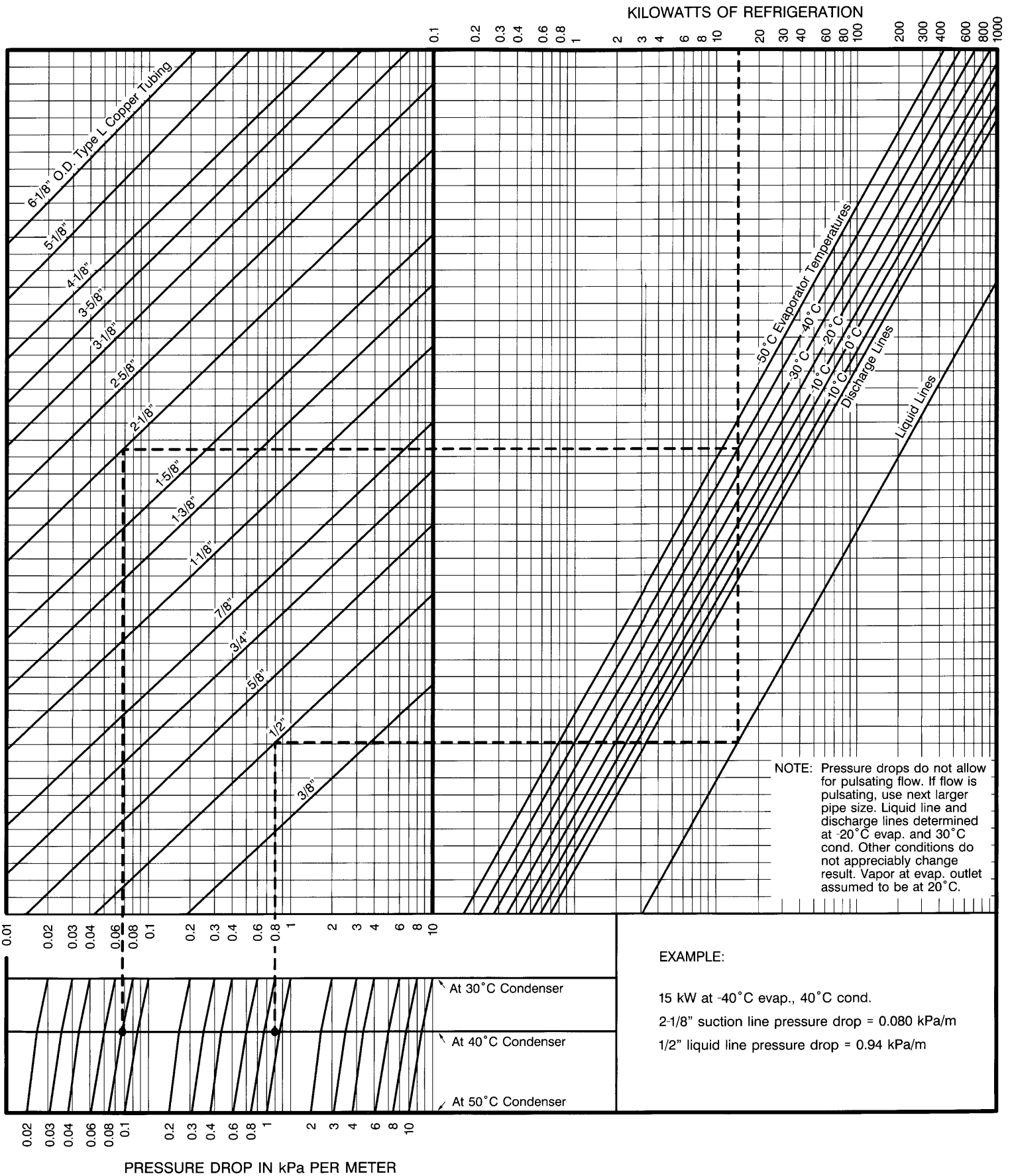
Dimensions of Type L Copper Tubing

Outside Diameter Inches	Inside Diameter	
	Inches	mm
6-1/8	5.845	148.5
5-1/8	4.875	123.8
4-1/8	3.905	99.2
3-5/8	3.425	87.0
3-1/8	2.945	74.8
2-5/8	2.465	62.6
2-1/8	1.985	50.4
1-5/8	1.505	38.2
1-3/8	1.265	32.1
1-1/8	1.025	26.0
7/8	0.785	19.9
3/4	0.666	16.9
5/8	0.545	13.8
1/2	0.430	10.9
3/8	0.315	8.0

**DuPont Fluorochemicals
Wilmington, Delaware 19898**

HP81 REFRIGERANT

PRESSURE DROP IN LINES (20°C Evap. Outlet)



NOTE: Pressure drops do not allow for pulsating flow. If flow is pulsating, use next larger pipe size. Liquid line and discharge lines determined at 20°C evap. and 30°C cond. Other conditions do not appreciably change result. Vapor at evap. outlet assumed to be at 20°C.

EXAMPLE:

15 kW at -40°C evap., 40°C cond.
 2-1/8" suction line pressure drop = 0.080 kPa/m
 1/2" liquid line pressure drop = 0.94 kPa/m

At 30°C Condenser
 At 40°C Condenser
 At 50°C Condenser

PRESSURE DROP IN kPa PER METER

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