Halocarbon 218 (Perfluoropropane) C_3F_8

Grade	ULSI 3N8
Purity, %	99.98
Oxygen	≤50 ppmv
Nitrogen	≤145 ppmv
Carbon Dioxide	≤11 ppmv
Carbon Monoxide	≤5 ppmv
Water	≤6 ppmw
Other Fluorocarbons*	≤400 ppmv
Acidity as HF	≤0.1 ppmw

*Other Fluorocarbons defined as the sum of HFC227, HFC236 and HFC245, not included in purity spec
- A lot analysis is provided for each order. – Individual analysis is also available upon request.
- Pneumatic valves and JIS connections are available upon request.

CYLINDER

Internal Volume	Liters	43.8
Cylinder Sizes >>		**QA/QF**
Content	lbs	100
	kg	45.45
Change Point*	lbs	7.7

*Recommended Cylinder Change Point at NTP, based on Phase Break, or the amount of product left in the cylinder when the liquid phase has completely evaporated and only gaseous product is left (estimate based on ideal gas behavior).

SHIP

DOT Shipping Name	Perfluoropropane	UN Number	UN 2424	Shipped as
DOT Classification	2.2 (Non-Flammable Gas)	ECCN #	EAR99	Liquefied
DOT Label	NON-FLAMMABLE GAS	Harmonized #	2903.30.2010	Gas

TECHNICAL DATA

Cylinder Pressure	100 psig
@NTP	8.1 atm
Specific Volume	0.13 m^3/kg
@NTP	2.02 ft^3/lb
CAS No	76-19-7
CGA/DISS/JIS	660/716/W22-14L
Molecular Weight	188.02 g/mol

Critical Temperature	71.9°C	161.4°F
Critical Pressure	27.3 atm	389 psia

NTP = 21°C or 70°F and 101.3 kPa or 1 atm

Cylinder	Treatment	Nominal Diameter (OD)xHeight*		Material of Construction	
		cm	Inches	Cylinder	Valve
QA	ULTRA-LINE®	23x130/134/143	9x51/52.5/56	CS	Brass
QF	ULTRA-LINE®	23x130/134/143	9x51/52.5/56	CS	SS

*Height is reported as the distance from the bottom of the cylinder to the cylinder neck/ center of the valve outlet/ top of the handwheel
CS: Carbon Steel SS: Stainless Steel

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