CM51M-410SDA0/1/1-3/10T

LEAK STANDARD

CM51M-410SDA0/1/1-3/10T

LEAK RATE EXPONENT
+2 to -10 = Specifies Leak Rate Decade Range

PREFIX

LEAK ELEMENT
5 = Micro Tube Capillary
3 = Micro Tube Permeation

GAS
1 = Helium (He)
2 = Argon (Ar)
4 = Nitrogen (N₂)
5 = Carbon Dioxide (CO₂)
6 = Nitrogen Oxide (N₂O)
7 = Helium 3 Isotope (He³)
8 = Carbon Monoxide (CO)
9 = Oxygen
A = R-12 Refrigerant
B = R-22 Refrigerant
C = Hydrogen (H₂)
D = Deuterium (D₂)
E = Sulfur Hexafluoride (SF₆)
F = Neon (Ne)
G = Xenon (Xe)
H = R-134a Refrigerant
J = Methane (CH₄)
K = Krypton (Kr)
L = R-404a Refrigerant
M = R-290 Refrigerant
O = Carbon Monoxide (CO)
P = R-407c Refrigerant
R = R-410 Refrigerant
S = Ammonia (NH₃)
T = Halon 1301

LEAK RATE MANTISSA
X = Any Value Within Range
L = Low (1 - 3)
M = Mid (4 - 6)
H = High (7 - 9)
1.0 - 9.0 = Specific Values
(Can specify values out to 1 or 2 decimal places, i.e. 1.2 or 1.25)

ISOLATION VALVE
0 = None
1 = Manual Valve
2 = Solenoid Valve, 24 VDC
3 = Zero-Volume Valve, Manual
4 = Bakable Valve
5 = Zero-Volume Valve, Pnuematic
6 = Pneumatic Iso Valve, 3-Way

INLET CONNECTION
0 = No Inlet Connection
A = 1/8" FNPT
B = 1/8" MNPT
C = 1/4" FNPT
D = 1/4" MNPT
E = 1/4" Male VCR
F = 1/4" Swagelock
J = NW 16 Flange
K = NW 25 Flange
L = NW 40 Flange
N = 1.33" Mini Con-Flat (CF) Flange
S = Push-in, 1/4"

OUTLET CONNECTION
0 = NW 16 Flange
1 = NW 25 Flange
2 = NW 40 Flange
5 = VCR4 Male
6 = 1/4" Swagelock
7 = 1/8" FNPT
8 = 1/4" MNPT
9 = 10-32 Male with O-ring
B = 1/8" MNPT
C = 1/4" FNPT
D = Universal Sniffer Probe Adaptor
E = 2.75" Con-Flat (CF) Flange
J = 1.33" Mini Con-Flat (CF) Flange
L = Straight Thread, M8 Bolt Male

PRESSURE UNIT
1 = PSIA - Absolute
2 = PSIG - Relative
3 = Atm – Absolute
4 = Torr – Absolute
5 = mTorr – Absolute
6 = Microns – Absolute
7 = Bar – Absolute
8 = mbar – Absolute
9 = Pascal – Absolute
A = Kpa – Absolute
B = InHg – Absolute
C = InHg – Relative
D = InWater – Relative
E = mmHg – Absolute
M = MPa – Relative
(Leave blank if no inlet pressure is specified)

GAS
CONCENTRATION
# = Concentration Percentage
(Use only if gas concentration is not 100%)

EXHAUST
A = Into Atmosphere (760 Torr)
V = Into Vacuum (<100 mTorr)

INLET PRESSURE
# = Pressure Value Applied at Inlet
(Leave blank if no inlet pressure is specified)

FLOW
T = Total Flow
P = Partial Flow
(Use only if gas concentration is not 100%)

OPTIONS
0 = None
G = Pressure Gauge
X = Special

LEAK RATE UNIT
1 = Atm.cc/sec
2 = Std.cc/sec
3 = sccm
4 = mbar.L/sec
5 = Torr/L/sec
6 = Pa.m3/sec
7 = Oz/year
8 = Gr/year
9 = Mol/sec
B = Std.cc/hr
C = CFM

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