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SHT.2 OF 2

REVISIONS		BY	CHK	ENG
ALT	DESCRIPTION			

NOTES:

1. VEST VALVE LEAKAGE-
 REVERSE LEAKAGE THROUGH THE VALVE (VEST TO ITB SIDE), EITHER OF
 WITH THE VALVE FLAPPER HELD OPEN, SHALL COMPLY WITH
 THE FOLLOWING REQUIREMENTS.

METHOD	FLOW RATE (F) (LPM AIR NTPD)	PRESSURE DROP (ΔP) (IN WG)
METHOD 1	1.8	2.01 ≤ ΔP ≤ 4.32
METHOD 2	1.5 ≤ ΔF ≤ 2.2	3.0

5. VEST VALVE DUMP TEST-
 THE MAXIMUM DIFFERENTIAL PRESSURE (ΔP) ACROSS THE VALVE
 (VEST TO ITB SIDE) SHALL NOT EXCEED THE FOLLOWING AT THE
 SPECIFIED FLOW RATES.


METHOD	FLOW RATE (F) (LPM OXYGEN NTPD)	PRESSURE DROP (P) (IN WG)
METHOD 1	1.0	0.80 ≤ ΔP ≤ 2.60 Δ
METHOD 2	30.0	3.9

2. VEST VALVE PROOF PRESSURE TEST-
 THE VALVE SHALL WITHSTAND, WITHOUT DAMAGE, AN INTERNAL PRESSURE
 OF 69.0 IN. WG.

3. VEST VALVE OVERLOAD LEAKAGE TEST-
 THE VALVE SHALL NOT LEAK MORE THAN 1.0 LPM AIR NPTD WHEN
 SUBJECTED TO A PRESSURE OF 20.0 IN. WG FOR A PERIOD OF TWO MINUTES

4. VEST VALVE FILL TEST-
 THE MAXIMUM DIFFERENTIAL PRESSURE (ΔP) ACROSS THE VALVE
 (ITB TO VEST SIDE) SHALL NOT EXCEED THE FOLLOWING AT THE
 SPECIFIED FLOW RATES.

FLOW RATE (F) (LPM AIR NTPD)	PRESSURE DROP (ΔP) (IN WG)
20.0	1.60
100.0	5.0

MATERIAL		TITLE		PART NO.		DESCRIPTION		REMARKS	
FINISH		ASSEMBLY, VEST VALVE				BILL OF MATERIAL			
DO NOT SHALE DRAWING REMOVE DIMS, BREAK SHARP CORNERS TOLERANCES UNLESS SPECIFIED AS FOLLOWS FRACTIONAL DECIMALS ± .010 MAGNIFIED DIMS ± .005 RMS		ASSEMBLY, VEST VALVE		2:1		 Select Controls Inc. 45-3 KNICKERBOCKER AVE. BOHEMIA, N.Y. 11716		AHN 12/31/08 9000-1-000 SHEET 2 OF 2	