

Applications

AIR QUALITY

Transair piping conforms to the ISO 8573 Class 1.1.1 standard for air quality. ISO 8573 establishes the different quality levels for compressed air for the 3 components present in any system: dust, water, and oil.

Transair has been tested to achieve the highest expectations of ISO 8573 (Class 1.1.1). Note: This is only achievable with proper air generation and filtration in the compressor room, Transair will not introduce additional particles as the compressed air flows from the compressor room to the point of use.

ISO 8573-1 CLASS:	SOLID PARTICULATES			MASS CONCENTRATION (MG / M3)	WATER		OIL
	MAXIMUM NUMBER OF PARTICLES PER M3				VAPOR PRESSURE DEWPOINT	LIQUID (G/M3)	TOTAL OIL * (MG/M3)
	0.1 TO 0.5 MICRON	0.5 TO 1 MICRON	1 TO 5 MICRON				
0	AS SPECIFIED BY THE END USER OR SUPPLIER AND MORE STRINGENT THAN CLASS 1.						
1	YES**	YES**	YES**	-	YES***	-	YES
2	YES	YES	YES	-	YES	-	YES
3	-	YES	YES	-	YES	-	YES
4	-	-	YES	-	YES	-	YES
5	-	-	YES	-	YES	-	-
6	-	-	-	YES	YES	-	-
7	-	-	-	YES	-	YES	-
8	-	-	-	-	-	YES	-
9	-	-	-	-	-	YES	-
X	-	-	-	YES	-	YES	YES

*Total Oil is comprised of aerosol liquid and vapor
 ** Transair meets the standard after 1 system purge
 *** Transair meets the standard depending on atmospheric conditions

INDUSTRIAL / INERT GAS COMPATIBILITY

Transair piping is suitable for the distribution of non-flammable (inert) gases such as: Argon, Nitrogen, Carbon Dioxide, and welding gas mixes containing these three. Transair piping and connectors have been laboratory tested for purity. Our components are compatible with 99.99% Nitrogen purity applications.

GAS	COMPATIBLE WITH TRANSAIR (YES / NO)
NITROGEN (N ₂)	YES
ARGON (AR ₂)	YES
CARBON DIOXIDE (CO ₂)	YES
HELIUM (HE ₂)	YES
ARGON (AR ₂) + CARBON DIOXIDE (CO ₂) MIX	YES - ALL RATIOS
OXYGEN (O ₂)	YES - UP TO 22%
HYDROGEN (H ₂)	YES - UP TO 4%

VACUUM

Transair piping can be used for vacuum applications down to 29.6" Hg absolute pressure.