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 atsduct.com

Why ATS FXP™ Duct? Corrosion Resistance

All ATS FXP™ duct assemblies, by virtue of ATS' innovative joining systems, have a continuous liner. This allows ATS to provide unparalleled corrosion resistance, since there are no weak points in ATS' system, unlike competitive products. ATS delivers trouble-free joint connections in several forms:

- i. ATS H-Collar;
- ii. ATS Slip Collar;
- iii. ATS ISO Flange;
- iv. Van Stone Flange.

The ATS ChemBond™ allows contractors to install and modify ducts efficiently and without external wraps (even bonding directly to PPs, PVC, SS and Regular FRP) and maintains ATS' high standard of corrosion resistance.

ATS FXP™			
Corrosion Resistance Table			
Chemical Reagent	C° /F°	Liquid Concentration	Fume Concentration
Boron Trichloride Scrubbed (BCL)	65/150	NA	> 0.5
Bromine Dry/Wet Gas	40/100	NR	100
Chlorine Dry/Wet Gas	105/220	NA	100
Chromic Acid	65/150	20	30
Hydrobromic Acid	40/100	62	62
Hydrochloric Acid	40/100	37	37
Hydrofluoric Acid	40/100	20	49*
Hydrogen Bromide Wet/Dry Gas	80/180	NA	100
Hydrogen Chloride Wet/Dry Gas	100/210	NA	100
Hydrogen Peroxide	30/90	35	35



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Hydrogen Sulfide Aqueous	100/210	100	100
Methylene Chloride Fumes No Condensate	80/180	NR	100
Nitric Acid	30/90	35	60*
Perchloric Acid	40/100	30	30
Phosphoric Acid	100/210	100	100
Potassium Hydroxide	65/150	45	45
Sodium Hydroxide	80/180	100	100
Sodium Hypochlorite	40/100	21	24
Sulfuric Acid	40/100	80	96*
Sulfuric/Hydrogen Peroxide	65/150	20/10	20/10
Toluene	25/80	100	100
Xylene	25/80	100	100
Zinc Chloride	100/210	Sat's	70

* Drains must be installed to remove condensate accumulation from within the duct.