# **BOURDON TUBE SELECTION MEDIA APPLICATION BASIS**

	В В	ourc ellov	don T	ube <u>(ate</u>	or rial		Bourdon Tube or Bellows Material						Bourdon Tube or Bellows Material				
MEDIA APPLICATION	Brass or Bronze	Steel	AISI 316 Stain. Steel	Monel®	Diaphragm Seals *	MEDIA APPLICATION	Brass or Bronze	Steel	AISI 316 Stain. Steel	Monel	Diaphragm Seals*	MEDIA APPLICATION	Brass or Bronze	Steel	AISI 316 Stain. Steel	Monel	Diaphragm
Acetone			•	•		Chromic Acid					•	Nitric Acid (25°C/75°F)			•		Т
Acetic Acid <40%			•			Cider			•			Nitrogen	•	•	•	•	T
Acetic Anhydride					•	Citric Acid			•			Oleic Acid	•				T
Acetylene		•	•			Coffee			•			Oleum					
Acrolein					•	Corn Oil			•			Oxalic Acid					T
Air	•	•	•	•		Crude Oil (Sour)			•	•	•	Oxygen   Oxygen	•		•		Ť
Alcohols	•		•	•		Crude Oil (Sweet)			•	•		Palmitic Acid			•		Ť
Alkali Cleaners			•	•		Ethyl Acetate					•	Perchloric Acid					T
Alum. Chloride					•	Ethylene Oxide					•	Phosphoric Acid					t
Alum. Hydroxide					•	Fatty Acids			•			Photographic Bleach			•		t
Alum. Sulfate <60%			•			Ferric Chloride					•	Picric Acid					t
Ammonia Gas			•			Ferric Sulfate					•	Propane	•	•	•	•	+
Ammonium Chloride			Ť		•	Ferrous Chloride					•	Quinine			Ť		+
Ammonium Nitrate			•		Ť	Ferrous Sulfate					•	Rochelle Salt					+
Ammonium Sulfate					•	Fluorine Gas			•	•		Sea Water				•	$^{+}$
Aniline			•			Formaldehyde			•			Silicate Solution			•	•	+
Argon	•			•		Formic Acid					•	Silver Nitrate			<b>•</b>		+
Beer		_	•	•	•	Freon	•	•	•	•	_	Soap			•		+
Bauxite & Water			-		•	Furfural	•	•	•	•		Sodium Bicarbonate			Ť	_	+
			•	_		Gasoline	_				•	Sodium Bisulfate			•	•	+
Benzene				•	_		•	_	•	_						<u> </u>	+
Benzidine					•	Glycerine	•	•	•	•	_	Sodium Carbonate				•	+
Benzoic Acid					•	Hydrobromic Acid					•	Sodium Chromate				<u> </u>	$\perp$
Black Liquor					•	Hydrochloric Acid					•	Sodium Cyanide		•		<u> </u>	+
Boric Acid					•	Hydrofluoric Acid					•	Sodium Phosphate			•	<u> </u>	$\downarrow$
Brine				•		Hydrofluosilic Acid					•	Sodium Sulfide				<u> </u>	$\downarrow$
Bromine					•	Hydrogen 2	•		•	•		Steam	•	•	•	_	
Butane	•	•	•	•		Hydrogen Peroxide					•	Stearic Acid			•	_	
Butyric Acid					•	Hydrogen Sulphide (under 93°C/200°F)			•	•		Sulfur Chloride					
Calcium Chloride					•	Hydroxy Acetic Acid			•			Sulfur Dioxide					
Calcium Hydroxide					•	Kerosene	•	•	•	•		Sulfur Trioxide					
Carbolic Acid			•			Lacquers	•		•	•		Sulfuric Acid					Τ
Carbon Dioxide		•	•	•		Lactic Acid					•	Sulfurous Acid					Τ
Carbon Monoxide		•	•	•		Lime Water					•	Tall Oil					Τ
Carbon Tetrachloride				•		Linseed Oil		•	•			Tannic Acid		•	•	•	Τ
Carbonated Water			•			Magnesium Chloride					•	Tartaric Acid			•		Τ
Caustic Soda					•	Mercuric Chloride					•	Tin Chloride					T
Caustic Potash					•	Mercury		•	•			Toluene	•	•	•	•	Ť
Cement Slurry					•	Methylene Chloride					•	Turpentine			•	•	Ť
Chlorine Dioxide					•	Milk			•			Varnish		•	•	•	Ť
Chlorine, Dry					•	Naphtha	•	•	•	•		Water	•		•	•	t
Chlorine, Moist					•	Naphthalene	Ė	Ť	•			Whisky			•		†
Chloroform, Dry				•	Ť	Nickel Chloride					•	Zinc Chloride			Ť		+
ooroioiiii, bry						. Honor Ornoride						Zino Officiac				<u> </u>	4

Over 1000 psi—entire system must be AISI 316 SS.

<sup>\*</sup> Any standard Bourdon tube or bellows material can be used in conjunction with a diaphragm seal (with bellows, use a diaphragm made of FKM), but the selection should take into consideration the corrosive environment in which it is to operate.

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