

FLOW SAFE EQUIPMENT CC

MATERIAL COMPATIBILITY GUIDE

All recommendations are based on fluid temperatures of 21 deg C As the resistance of metal, plastics and elastomers can be affected by product concentration, temperature, presence of other chemicals and other factors, this information should be used as a guide only. Ultimately the customer must determine the suitability of the materials to be used.

LEGEND	
Body Material	Seal Material
A Aluminium	BN Buna-N (Standard)
B Brass	BF Buna-N (Fuel)
C Ductile iron	NE Neoprene
E Stainless Steel	TF Teflon
S Carbon Steel	VI Viton
P Polypropylene	EP EPDM
N Nylon	SC Silicone
Call for advice	Call for advice

Materials			Materials		
Fluid	Body	Seal	Fluid	Body	Seal
Acetic Acid	AEP	EP	Barium Hydroxide	CESP	BN
Acetic Anhydride	AEP	NE	Barium Sulfide	ESP	BN
Acetone	ACESPN	EP	Basic Slag	P	BN
Acetylene-dry	AEC	NE	Beer	ABEN	NE
Agricultural Lime Solution	CESPN	BN	Benzene/Benzol	ABCESN	VT
Air	ABCEN	BN	Benzine	ABCESN	BN
Alcohol-Amyl	BCESPN	BN	Black Liquor - Paper Ind	P	VT
Alcohol-Butyl	ABCEPN	BN	Bleach (12.5 Chloride)	P	VT
Alcohol-Thyl	BCESPN	VT	Borax	CESP	SC
Alcohol-Isopropyl	ABCESPN	BF	Boric Acid	AEP	BN
Alcohol-Methyl	BCESPN	BF	Brine	EPN	BN
Alum	E	BN	Bromic Acid	P	VT
Aluminum Chloride	P	BN	Burnt Limt (CA O)	ABCESPN	BN
Aluminum Floride, 20%	ABCP	BN	Butadiene	ABCES	SC
Aluminum Nitrate	EP	BN	Butane	ABCEN	BN
Aluminum Potassium Sulfate	AEP	BN	Butenes	ABCES	VT
Aluminum Sulfate	EP	BN	Butyl Acetate-Dry	ABCES	EP
Ammonia-Gas or Liquid	ACSPN	NE	Butyle Stearate	ABE	BN
Ammonium Chloride -Dry	CP	BN	Butylene	ABCE	BN
Ammonium Hydroxide	ACEP	EP	Cadium Cyanide	P	BN
Ammonium Nitrate	AESP	BN	Calcium Acetate	BEP	EP
Ammonium Phosphate	EP	BN	Calcium Bisulfite	EP	BN
-Mono-Basic	E	BN	Calcium Chloride	P	BN
-DI Basic or Tri-Basic	AEP	BN	Calcium Hydroxide	BCESP	BN
Ammonium Sulfate	CEP	BN	Calcium Hypochlorite	P	HP
Analine	ACESP	EP	Calcium Nitrate, 40%	ACEP	BN
Asphalt	BCES	VT	Carbolic Acid (Phenol)	E	VT
Arsenic Acid	EP	BN	Carbon Dioxide -Dry	ABCEN	BN
Barium Chloride	BECP	TF	Carbon Disulfide	ABCES	VT