

STANDARD MATERIALS OF CONSTRUCTION

Stainless Steel:	ASTM-A351 CF8M (316) ASTM-A240 (316) ASTM-A182 (316)	Windows:	Borosilicate (Tempered or Annealed)
Carbon Steel:	ASTM-A216 WCB ASTM A105 ASTM-A515 Gr. 70	Neoprene Gaskets:	ASTM D2000, MIL-R-3065
Bronze:	ASTM-B62, UNS C83600	Bolted Retainers:	ASTM A515 Gr. 70 (Steel) ASTM A278 Class 30 (Iron)
Iron:	ASTM A126 Class B	Threaded Retainers:	ASTM B16 H02 UNS C36000 (Brass)
		Fasteners:	SAE Gr. 5 (Steel) A193/A194 (Steel)

OTHER AVAILABLE MATERIALS OF CONSTRUCTION (Partial List)

Acrylic Windows	Bronzes	Navy Bronze (MIL-B-16541)
Polycarbonate Windows	Carbon Steels	Nickel
MIL-P-77 Plastic	Cast Irons	PVC (Solid)
Stainless Steel Bolts & Nuts	Cupro Nickel	304 Stainless Steel
Heat-Treated Steel Bolts & Nuts	Galvanized	Other 300 Series Stainless Steel
Alloy 20	Hastelloy®	400 Series Stainless Steel
Aluminums	Inconel®	Titanium
Brass	Monel®	

AVAILABLE IN FLANGED TYPE ONLY

Rubber Lined	PTFE (Teflon®) Lined	PVDF (Kynar®) Lined
PFA (Teflon®) Coated	ETFE (Tefzel®) Lined	

WORKING TEMPERATURE RATINGS

BODIES

Stainless Steel: ASTM-A351 CF8M (316)	(-425 F to 1500 F)
Carbon Steel: ASTM-A216 WCB	(-20 F to 1000 F)
Bronze: ASTM-B62 UNS C83600	(-325 F to 406 F)
Iron: ASTM A126 Class B	(-20 F to 400 F)

WINDOWS

Borosilicate (Tempered)	(500 F Max)
Borosilicate (Annealed)	(450 F Max)
Uniglas (150#, 300#)	(536 F Max)
Uniglas (600#)	(390 F Max)
Quartz	(2048 F Max)

FASTENERS

Steel SAE Gr. 5	(-20 F to 500 F)
Steel A193/A194 (B7-2H)	(-20 F to 800 F)
316 SS A193/A194 (B8M-8M)	(-325 F to 800 F)
Hi-Temp 316SS A193/A194 (B8M-8M)	(800 F to 1500 F)

SHIELDS

CTFE (Kel-F®)	(-400 F to 400 F)
FEP/PFA (Teflon®)	(-348 F to 400 F)
Mica-Natural	(-400 F to 1110 F)

GASKETS

Neoprene	(-20 F to 250 F)
Fiber (Non-Asbestos)	(-40 F to 550 F)
Viton® A	(-65 F to 350 F)
Silicone	(-80 F to 450 F)
Graphite (Oxy Present)	(-328 F to 932 F)
Graphite (Steam)	(-328 F to 1200 F)
Graphite (Oxy Free)	(-328 F to 5432 F)
Buna-N	(-20 F to 250 F)
EPDM	(-20 F to 250 F)
TFE/NEO	(-20 F to 250 F)
TFE/Fiber	(-20 F to 450 F)
TFE (Gylons®)	(-350 F to 500 F)

RETAINERS

Iron: A278 Cl. 30	(-20 F to 400 F)
Brass: B16 H02	(-20 F to 450 F)
Steel: A515 gr. 70	(-20 F to 1000 F)
304/316 SS: A240	(-325 F to 1500 F)

ALL UNITS DUAL WINDOWS QUALITY CONTROL SANITARY UNITS

Coast Guard Accepted as Affidavited Manufacturer (CG-190 Listed)

Factory Mutual System Approved

ISO-9001

Authorized as 3A Equipment by the 3A Sanitary Standards Symbol Administrative Council, Sight Flow Standard #65-00