

MATERIALS

BODY / BONNET LVF'S MATERIALS

MATERIAL	DESCRIPTION	SERVICE RECOMMENDATIONS	TEMPERATURE °C
A105	Carbon steel	General service: oil, oil vapor; gas Steam, water	÷ 10 - +540
LF2	Low temp Carbon steel	Low temperature applications	÷ 46 - +425
LF3	Low temp Carbon steel	Low temperature applications	÷ 101 - +345
F11	1.25 Cr; 0.5 Mo alloy steel	To minimise grahitization	÷ 29 - +600
F22	2.25 Cr; 1 Mo alloy steel	For service requirering greater strenght than F11	÷ 29 - +600
F5	5Cr; 0.5 Mo alloy steel	Corrosive/erosive refinerv use	÷ 29 - +600
F9	9Cr; 1 Mo alloy steel	For media with highet sulphur content	÷ 29 - +600
F44	Austenitic stainless steel	Verv high strenght, high resistance to corrosion	÷ 29 - +400
F304 DG	18 Cr; 8 Ni stainless steel	Corrosive and cryogenic service	÷ 29 - +540
F316 DG	18 Cr; 8 Ni, 2 Mostainless steel	As F304 with superior resistance to corrosion	÷ 29 - +540
F51, F53, F55	Ferritic-austenitic stainless steel	High strenght, resistance to corrosion, pitting and stress corrosion in chloride media	÷ 50 - +315
TITANIUM	Metal	Good resistance to corrosionwith low weight	÷ 60 - +315
MONEL	Nickel-copper alloy	Resistance to corrosion, sea water; acids and alkalies	÷ 196 - +482
INCONEL, INCOLOY	Nickel alloy	Resistance to corrosion, nuclear application	High temp
HASTELLOY	Nickel alloy	Excellent corrosion resistancein hydrochloric acid	High temp

MAIN TRIM LVF'S MATERIALS

13Cr; F6	Steinless steel	General service: oil, oil vapor; gas, steam, water	High temp
F304, F316	Austenitic Stainless steel	Corrosive service	÷ 29 - +540
MONEL	Nickel-copper alloy	Corrosive service such as Acids, alkalies salt solutions	÷ 196 - +482
STELLITE	Hard facing overlay	Premium trim, sutiable for sever service	≤ 649

The most of the above material grades may be providedfully suitable for sour service as defined by NACE MR 0175 and MR 0103 standards