





**Material Specifications**

No.	Part	A105/ENP	A105/316	F316/316	LF2/316 NACE
1	Body	ASTM A105N	ASTM A105N	ASTM A182-F316	ASTM A350-LF2
2	Adapter	ASTM A105N	ASTM A105N	ASTM A182-F316	ASTM A350-LF2
3	Ball	ASTM A105N/ENP	ASTM A182-F316	ASTM A182-F316	ASTM A182-F316
4	Seat Insert	PTFE/Molon/PEEK	PTFE/Molon/PEEK	PTFE/Molon/PEEK	PTFE/Molon/PEEK
5	Seat Ring	ASTM A105N/ENP	ASTM A182-F316	ASTM A182-F316	ASTM A182-F316
6	Stem	ASTM A105N/ENP	ASTM A182-F316/17-4PH	ASTM A182-F316/17-4PH	ASTM A182-F316/17-4PH
7	Trunnion Support	ASTM A105N/ENP	ASTM A105N/ENP	ASTM A182-F316	ASTM A350-LF2/ENP
8	Gland Flange	ASTM A105N/ENP	ASTM A105N/ENP	ASTM A182-F316	ASTM A350-LF2/ENP
9	Top Flange	ASTM A105N	ASTM A105N	ASTM A182-F316	ASTM A350-LF2
10	Screw	Carbon Steel	Carbon Steel	Stainless Steel	ASTM A320-L7M
11	Screw	Carbon Steel	Carbon Steel	Stainless Steel	ASTM A320-L7M
12	* Gland Gasket	Graphite	Graphite	Graphite	Graphite
13	* Stem Firesafe Packing	Graphite	Graphite	Graphite	Graphite
14	* Seat Firesafe Packing	Carbon Fibre+Graphite	Carbon Fibre+Graphite	Carbon Fibre+Graphite	Carbon Fibre+Graphite
15	Thrust Washer	PTFE/316SS+PTFE+MoS2	PTFE/316SS+PTFE+MoS2	PTFE/316SS+PTFE+MoS2	PTFE/316SS+PTFE+MoS2
16	Washer	PTFE/316SS+PTFE+MoS2	PTFE/316SS+PTFE+MoS2	PTFE/316SS+PTFE+MoS2	PTFE/316SS+PTFE+MoS2
17	Bearing	316SS+PTFE+MoS2	316SS+PTFE+MoS2	316SS+PTFE+MoS2	316SS+PTFE+MoS2
18	* O-Ring	Viton	Viton	Viton	Viton
19	* O-Ring	Viton	Viton	Viton	Viton
20	* O-Ring	Viton	Viton	Viton	Viton
21	Vent Valve	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
22	Drain	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
23	Stem Injection	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
24	Seat Injection	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
25	Check Valve	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
26	Seat Spring	INCONEL X-750	INCONEL X-750	INCONEL X-750	INCONEL X-750
27	Antistatic Spring	INCONEL X-750	INCONEL X-750	INCONEL X-750	INCONEL X-750
28	Antistatic Spring	INCONEL X-750	INCONEL X-750	INCONEL X-750	INCONEL X-750
29	Grounding Plunger	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
30	ALignment Pin	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
31	Gland Pin	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
32	key	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
33	* O-Ring	Viton	Viton	Viton	Viton
34	* O-Ring	Viton	Viton	Viton	Viton
35	Upper Flange	ASTM A105N	ASTM A105N	ASTM A182-F316	ASTM A105N
36	Under Flange	ASTM A105N	ASTM A105N	ASTM A182-F316	ASTM A105N
37	Steel Tube	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
38	Stud	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
39	Nut	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
40	Stud	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
41	Pin	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
42	Adapter Sleeve	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
43	Adapter Sleeve	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
44	fixed plate	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
45	Eduction tube 1	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
46	Eduction tube 2	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
47	Eduction tube 3	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
48	Eduction tube 4	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel
49	Supporting Feet	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel

\* Recommended Spare Parts