


10	Lever	Carbon Steel			
9	Nut	A194 2H			
8	Bolt	A193 B7			
7	Yoke	AISI 1025			
6	Vent Plug	ASTM A105			
5	Cover	A216 WCB			
4	Gasket	SS316+Graphite	Inner ring	Spiral wound gasket	
3	Body	A216 WCB			
2	Screen	A276 SS316		Mesh: 20	
1	Drain Plug	ASTM A105			
No.	Part Name	Material	Qty	Remark	

Performance Standard		
Nominal Bore	NPS	2"~8"
Nominal Pressure	Class	150LB
Pressure Test		
Shell Test	3.00	Mpa
Seal Test	2.20	
Backseat Test	/	
Air Test	0.60	
Working Temperature	-29°C ~ +425°C	
Suitable Medium	Water, Oil, Steam, Gas, etc	

- Design & Manufacture standard as to: ASME B31.3 ASME B16.34
- Face to Face dimension conforms as to: MFR-STD
- Flange dimension conforms as to: ASME B16.5
- Testing and Inspection as to: API 598
- Pressure-temperature conforms as to: ASME B16.34
- Drain plug shall be at the lowest possible position
- Drain plug NPT threaded standard as to: ASME B1.20.1
- Valve as per NACE MR-01-75(2002) requirement

1.1	Nondestructive testing	
1.1	Pressure test	Mandatory
1.2	Chemical composition certification	Mandatory
1.3	Penetrant test	Mandatory
1.4	Magnetic particle testing	Mandatory

NPS	L	H	D	D1	D2	N-Ød	B	F
2"	260	190	Ø150	Ø120.7	Ø92	4-Ø19	17.5	2
2 1/2"	350	270	Ø180	Ø139.7	Ø105	4-Ø19	21	2
3"	350	270	Ø190	Ø152.4	Ø127	4-Ø19	22.5	2
4"	400	310	Ø230	Ø190.5	Ø157	8-Ø19	22.5	2
6"	500	410	Ø280	Ø241.3	Ø216	8-Ø22	24	2
8"	740	720	Ø345	Ø298.5	Ø270	8-Ø22	27	2

Date Appd	Dec.15,2017	Quick-Opening Lever Type Basket Type Strainer U Type Body	
Appd By			
Check By			
Design By			
Drawn By			
Drawing No.:			
		NPS 2"~8" Class 150LB RF Body: CS / Trim: SS316	