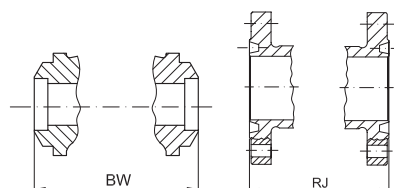


4. MATERIALS

No.	Name of Part	ASTM SPECIFICATION		
		Standard	Low Temperature Service	
		-20°F 437°F / -29°C 225°C	-50°F 437°F / -46°C 225°C	
1	Body	A216-WCB	A352-LCB	
2	Disc Seat	Forged	A105	A350 LF2
		Casting	A216-WCB	A352-LCB
3	Spring	Carbon Steel	Stainless Steel	
4	Bonnet	A216-WCB	A352-LCB	
5	Bonnet Studs	A193-B7	A320-L7M	
6	Bonnet Nuts	A194-2H	A194-4	

No.	Name of Part	
7a	Bonnet Gasket	Plane gasket – graphite with metal filler class 150
7b		Spiral wound gasket – stainless steel with graphite filler
7c		Ring-Joint gasket – carbon steel or stainless steel, as required
8	Threaded Plug Gasket	Cu
9	Threaded Plug	Carbon Steel

TRIM Number	Nominal TRIM	Material Type	Seat Surface
			Hardness [HB]
1	F6	13 Cr	250 min
			300 min
2	304	18 Cr – 8 Ni	Manufacturer's Standard
5	HF	Co – Cr A	350 min
5A		Ni – Cr	
8	F6 / HF	13 Cr	250 min
		Co – Cr A	350 min
8A	F6 / HF	13 Cr	250 min
		Ni – Cr	350 min
10	316	18 Cr – 8 Ni - Mo	Manufacturer's Standard
12	316 / HF	18 Cr – 8 Ni - Mo	Manufacturer's Standard
		Co – Cr A	350 min
12A	316 / HF	18 Cr – 8 Ni - Mo	Manufacturer's Standard
		Ni – Cr	350 min



API LIFT CHECK VALVE CLASS 150

Overall	NPS	inch	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
			DN	mm	40	50	65	80	100	125	150	200
Overall	RF	inch	6 1/2"	8"	8 1/2"	9 1/2"	11 1/2"	14"	16"	19 1/2"	24 1/2"	27 1/2"
	BW	mm	165	203	216	241	292	356	406	495	622	699
Overall	RJ	inch	7"	8 1/2"	9"	10"	12"	14 1/2"	16 1/2"	20"	25"	28"
		mm	178	216	229	254	305	368	419	508	635	711
Overall	H	inch	4 3/4"	4 7/8"	6"	6 1/4"	6 3/4"	7 5/8"	8 5/8"	10 7/8"	12 3/4"	14 3/8"
		mm	121	124	152	159	172	194	219	276	324	365
Net weight	RF	lbs.	26	37	55	62	95	121	165	309	441	617
		kg	12	17	25	28	43	55	75	140	200	280
Net weight	BW	lbs.	20	31	46	53	86	110	152	295	419	584
		kg	9	14	21	24	39	50	69	134	190	265

API LIFT CHECK VALVE CLASS 300

Overall	NPS	inch	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
			DN	mm	40	50	65	80	100	125	150	200
Overall	RF	inch	9"	10 1/2"	11 1/2"	12 1/2"	14"	15 3/4"	17 1/2"	22"	24 1/2"	28"
	BW	mm	228	267	292	318	396	400	444	559	622	711
Overall	RJ	inch	9 1/2"	11 1/8"	12 1/8"	13 1/8"	14 5/8"	16 3/4"	18 1/8"	22 5/8"	25 1/8"	28 5/8"
		mm	241	283	308	333	371	416	460	575	638	727
Overall	H	inch	4 3/4"	4 7/8"	6"	6 1/4"	6 3/4"	7 5/8"	8 5/8"	10 7/8"	12 3/4"	14 3/8"
		mm	121	124	152	159	172	194	219	276	324	365
Net weight	RF	lbs.	26	37	62	79	101	148	194	384	562	833
		kg	12	17	28	36	46	67	88	174	255	378
Net weight	BW	lbs.	20	31	55	68	90	137	183	346	463	562
		kg	9	14	25	31	41	62	83	157	210	255

API LIFT CHECK VALVE CLASS 400

Overall	NPS	inch	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
			DN	mm	40	50	65	80	100	125	150	200
Overall	RF	inch	9 1/2"	11 1/2"	13"	14"	16"	18"	19 1/2"	23 1/2"	26 1/2"	30"
	BW	mm	241	292	330	356	406	457	495	597	673	762
Overall	RJ	inch	9 5/8"	11 5/8"	13 1/8"	14 1/8"	16 5/8"	18 5/8"	19 5/8"	23 5/8"	26 5/8"	30 1/2"
		mm	245	299	333	359	410	460	498	600	673	765
Overall	H	inch	5 3/8"	5 1/2"	6 1/8"	6 1/2"	7 1/2"	9 5/8"	10 1/2"	12 3/4"	13 3/4"	15 3/4"
		mm	137	140	155	165	191	245	267	311	350	400
Net weight	RF	lbs.	66	93	132	165	231	271	419	838	992	1323
		kg	30	42	60	75	105	123	190	380	450	600
Net weight	BW	lbs.	57	84	123	152	216	254	401	683	970	1290
		kg	26	38	56	69	98	115	182	310	440	585



SC ARIO SA
 10 Industriiei Street
 4400 - Bistrita, Romania
 phone: +40-263-234160
 fax: +40-263-234008
 e-mail: info@ario.ro
 www.ario.ro