



## PERFORMANCE DATA

VALVE SIZE	APPROXIMATE FLOW COEFF. CV
1/4"	10
3/8"	16
1/2"	37
3/4"	68
1"	101
1-1/4"	162
1-1/2"	268
2"	486
2-1/2"	817
3"	1120
4"	1892

unit:US gal/min

ITEM	PARTS	MATERIAL	
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	CAP		
3	RETAINER	ASTM A351-CF8M	
4	BALL	ASTM A276-316	
5	STEM	PTFE / RTFE / CTFE / TFM 1600	
6	SEAT	GRAPHITE	
7	SEAL	CTFE	
8	THRUST WASHER	GRAPHITE	
9	PACKING	AISI 304	
10	GLAND RING	AISI 301	
11	BELLEVILLE WASHER	ASTM A167-304	
12	LOCKING WASHER	ASTM A194-8A	
13	STEM NUT	AISI 304	
14	WRENCH BLOCK	STAINLESS STEEL	
15	LOCKING PAD	ASTM A193-B8A	
16	HEX HEAD BOLT	ASTM A194-8A	
17	STOP PIN	PVC	
18	HANDLE		
19	BOLT		
20	NUT		
21	HANDLE SLEEVE		

DN	d	d1	D	D1	L	H	H1	H2	W	S	D2	E	E1	F	F1	M	U	ISO 5211	Torque (N-M)
65	64	74	92	74	184.6	133.9	42.5	15	222.5	14	70	32	64	70	85	M8*1.25	M20*2.5	F07	53.5
80	75	90	104	90	204	172.1	46.4	17.5	344	19	102	44.5	80.6	96	102	M10*1.5	1"-14UNF	F10	111.5
100	96	115.5	136	118	240	185.5	47	17.5	344	19	102	44.5	80.6	96	102	M10*1.5	1"-14UNF	F10	114

unit:mm

NPS	d	d1	D	D1	L	H	H1	H2	W	S	D2	E	E1	F	F1	M	U	ISO 5211	Torque (in-lb)
2-1/2"	2.52	2.91	3.62	2.91	7.27	5.27	1.67	0.59	8.76	0.55	2.76	1.26	2.52	2.76	3.35	M8*1.25	M20*2.5	F07	473.6
3"	2.95	3.54	4.09	3.54	8.03	6.78	1.83	0.69	13.54	0.75	4.02	1.75	3.17	3.78	4.02	M10*1.5	1"-14UNF	F10	986.9
4"	3.78	4.55	5.35	4.65	9.45	7.3	1.85	0.69	13.54	0.75	4.02	1.75	3.17	3.78	4.02	M10*1.5	1"-14UNF	F10	1009

unit:in