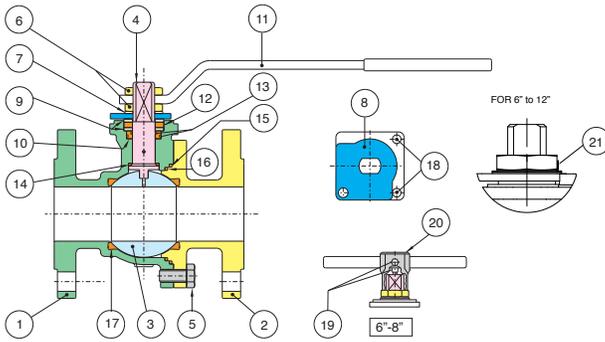


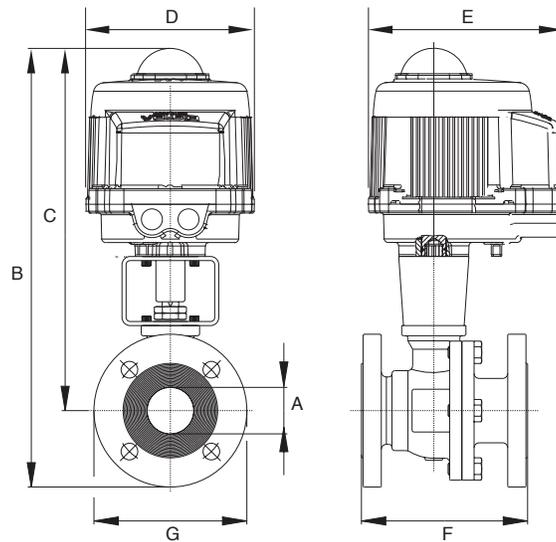
BILL OF MATERIALS FOR 760195V36/V6/V9



N POS	PART NAME	MATERIAL	N PCS
1	BODY	A351 CF8M	1
2	END CONNECTION	A351 CF8M	1
3	BALL	A479-316/A351 CF8M	1
4	STEM	A276-316	1
5	SCREW	STEEL	4-8
6	NUT	STEEL	1-2
7	SPRING WASHER	STEEL	2
8	TRAVEL STOP	STEEL	1
9	PACKING GLAND	STEEL	2
10	STEM SEAL	P.T.F.E.	1
11	HANDLE	STEEL	1

N POS	PART NAME	MATERIAL	N PCS
12	STEM SEAL	GRAPHOIL	1
13	O-RING	FKM (Viton®)	2
14	THRUST WASHER	P.T.F.E.	1
15	SEAL	GRAPHOIL	1
16	SEAL	P.T.F.E.	1
17	BALL SEATS	R.P.T.F.E.	2
18	SCREW	STEEL	2
19	SCREW	STEEL	2
20	BODY HANDLE	CAST IRON	1
21	UNSCREWING GROWER	A182-F316	1

DIMENSIONS



Size	A	B	C	D	E	F	G	Act.
1/2"	0.50	11.52	9.96	6.34	7.36	5.51	3.50	VB030M
3/4"	0.75	11.93	10.19	6.34	7.36	5.98	3.88	VB030M
1"	0.98	12.78	10.66	6.34	7.36	6.50	4.25	VB030M
1-1/2"	1.50	16.64	13.05	6.93	7.76	7.48	5.00	VB060M
2"	1.97	17.40	13.46	6.93	7.76	8.50	6.00	VB060M
3"	3.00	22.63	17.53	10.63	10.47	11.14	7.50	VB110M
4"	3.94	24.27	18.50	10.63	10.47	12.01	9.00	VB190M
6"	5.91	29.53	21.17	10.83	10.98	15.87	11.00	VB350M

CV VERSUS VALVE OPENING PERCENTAGE

Size	Degree	10%	20%	30%	40%	50%	60%	70%	80%	90%
1/2"	30-60°	0	0.0	0.1	0.2	0.4	0.6	1.0	1.7	3
	60°	0	0.1	0.2	0.4	0.7	1.2	1.9	3.3	6
	90°	0	0.1	0.3	0.7	1.2	2.0	3.4	5.9	10
3/4"	30-60°	0	0.1	0.2	0.5	0.8	1.3	2.2	3.9	6
	60°	0	0.1	0.4	0.9	1.5	2.6	4.3	7.5	12
	90°	0	0.3	0.8	1.6	2.7	4.6	7.7	13.3	22
1"	30-60°	0	0.1	0.4	0.8	1.4	2.4	4.0	6.9	11
	60°	0	0.3	0.8	1.6	2.7	4.6	7.7	13.4	22
	90°	0	0.5	1.4	2.8	4.9	8.2	13.7	23.7	39
1-1/2"	30-60°	0	0.3	1.0	2.0	3.5	5.9	9.8	17.0	28
	60°	0	0.7	2.0	4.0	7.1	11.9	20.0	34.5	57
	90°	0	1.1	3.3	6.6	11.6	19.5	32.6	56.4	93
2"	30-60°	0	0.5	1.5	3.1	5.5	9.2	15.4	26.7	44
	60°	0	1.1	3.1	6.3	11.1	18.7	31.2	54.0	89
	90°	0	2.0	6.0	12.0	21.2	35.6	59.5	102.9	170
3"	30-60°	0	1.3	3.9	7.8	13.8	23.2	38.9	67.2	111
	60°	0	2.7	7.9	16.0	28.2	47.4	79.3	137.1	227
	90°	0	4.7	13.6	27.3	48.1	80.9	135.4	234.1	387
4"	30-60°	0	2.1	6.1	12.3	21.6	36.3	60.8	105.2	174
	60°	0	4.3	12.4	25.0	44.1	74.1	124.1	214.5	355
	90°	0	8.1	23.6	47.5	88.8	140.8	235.7	407.50	675
6"	30-60°	0	4.7	13.7	27.6	28.7	81.9	137.0	236.9	392.0
	60°	0	9.6	28.0	56.3	99.3	166.8	279.3	482.8	799.0
	90°	0	17.7	51.6	103.8	183.1	307.6	514.9	890.2	1473.0

POSITIONER WIRING DIAGRAM - VB030M - VB350M

12V AC/DC, 24V AC/DC & 100-240VAC

