

MODEL 350

STRAIGHT WAY / PROTECTED BELLOWS

STANDARD MATERIALS OF CONSTRUCTION

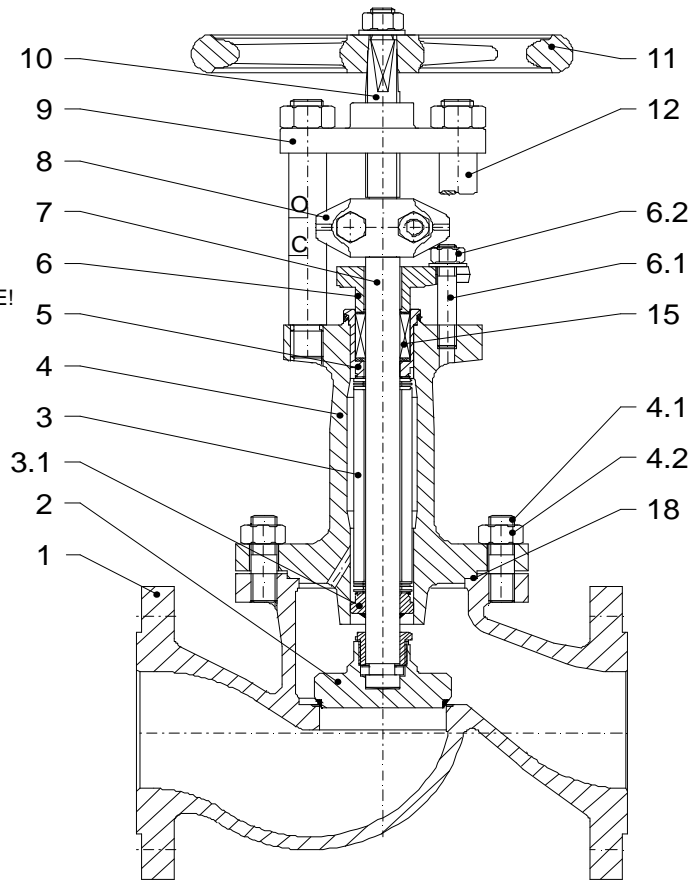
FIG. NO. 350 / D ...

OPTIONS

OTHER MATERIALS PER CUSTOMER REQUIREMENTS ARE AVAILABLE!

NOTES

PHÖNIX RESERVES THE RIGHT TO CHANGE PRODUCT DESIGN AND SPECIFICATION WITHOUT NOTICE!



MATERIALS

ITEM	PART NAME	CARBON STEEL	LOW TEMP. CARBON STEEL	STAINLESS STEEL
		MODEL 350C UP TO 450°C	MODEL 350T -50°C UP TO 300°C	MODEL 350V -200°C UP TO 400°C
1	BODY SEAT OVERLAY	1.0460 / 1.0619 1.4370 (≈ 200HRB)	1.0566 / 1.6220 / 1.1138 1.4370 (≈ 200HRB)	1.4404 / 1.4408 LIKE BODY (≈ 200HRB)
2	DISC	1.4021 HARDENED / 1.0460	1.4571 / 1.0566	1.4571
	OVERLAY	1.4009 (≈ 300HRB)	STELLITE 6 (≈ 42HRC)	STELLITE 6 (≈ 42HRC)
3	BELLOWS	1.4571	1.4571	1.4571
3.1	GUIDE RING	1.4571	1.4571	1.4571
4	BONNET	1.0460 / 1.0619	1.0566 / 1.6220 / 1.1138	1.4404 / 1.4408
4.1	STUD BOLT	1.7709	A4-70	A4-70
4.2	HEX. NUT	1.7218	A4-70	A4-70
5	STUFFING BOX BODY	1.4571	1.4571	1.4571
6	GLAND FOLLOWER	1.0619	1.5638	1.4408
6.1	STUD BOLT	STEEL 5.6	A4-70	A4-70
6.2	HEX. NUT	STEEL 5	A4-70	A4-70
7	LOWER STEM	1.4571	1.4571	1.4571
8	COUPLING	1.4408	1.4408	1.4408
9	BRIDGE	1.0460 / QPQ NITRIDED	1.0460 / QPQ NITRIDED	1.0460 / QPQ NITRIDED
10	UPPER STEM	1.4057	1.4057	1.4057
11	HANDWHEEL	CAST IRON	CAST IRON	CAST IRON
12	PILLAR	1.0501	1.4057	1.4057
15	PACKING	GRAPHITE	PTFE-SILK *	PTFE-SILK *
18	GASKET	GROOVED/GRAPHITE+SS	GROOVED/GRAPHITE+SS	GROOVED/GRAPHITE+SS

* ≥ 220°C PACKING OF PURE GRAPHITE

MODEL 350

STRAIGHT WAY / PROTECTED BELLOWS

PN40 SIZES DN15 - DN500

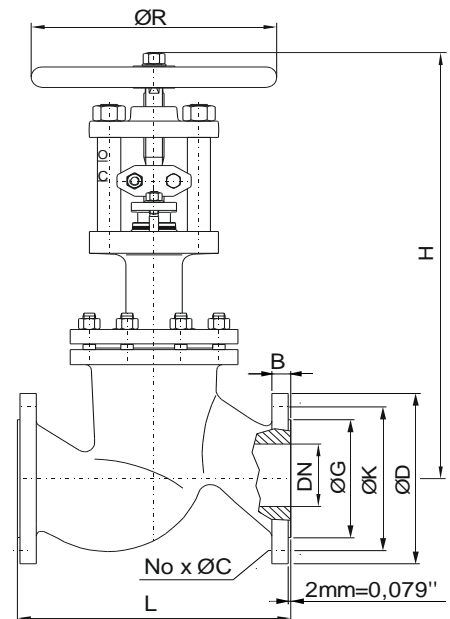
FIG. NO. 350 / D0040 ...

OPTIONS

- SEE ADDITIONAL PAGES FOR STANDARD OPTIONS
- OTHER CUSTOMER SPECIFIC DESIGNS ON REQUEST

NOTES

- DESIGN ACC. PED 97/23 AND HARMONIZED STANDARDS
- MARKING ACC. TO EN19, AD-A4, PED 97/23, CE
- STANDARD TESTS ACC. TO DIN EN 12266, ISO 5208
- PRESERVATION ACC. TO MANUFACTURER STANDARD
- CONNECTIONS:
 - FLANGES ACC. TO DIN EN 1092-1
 - BUTT WELD ENDS ACC. TO DIN EN 12627
 - SOCKET WELD ENDS ACC. TO DIN EN 12760
- F-T-F DIMENSIONS:
 - FLANGES ACC. TO DIN EN 558-1
 - BUTT WELD ENDS ACC. TO DIN EN 12982
 - SOCKET WELD ENDS MANUFACTURER STANDARD



DIMENSIONS & WEIGHTS & FLOW COEFFICIENTS

DN	UNIT	L**	H	ØR	ØG	ØK	No x ØC	ØD	B	WEIGHT	Kv [m³/h]	CV [USGal/min]
15	[MM]	130	360	150	45	65	4 x 14	95	16	6.5 kg	3.4	
	[IN]	5.1	14.2	5.9	1.8	2.6	4 x 0.55	3.7	0.63	14.3 lbs	3.95	
20	[MM]	150	345	150	58	75	4 x 14	105	18	7 kg	7	
	[IN]	5.9	13.6	5.9	2.3	3	4 x 0.55	4.1	0.71	15.4 lbs	8.14	
25	[MM]	160	365	150	68	85	4 x 14	115	18	8 kg	9,5	
	[IN]	6.3	14.4	5.9	2.7	3.3	4 x 0.55	4.5	0.71	17.6 lbs	11	
32	[MM]	180	430	200	78	100	4 x 18	140	18	14 kg	18	
	[IN]	7.1	16.9	7.9	3.1	3.9	4 x 0.71	5.5	0.71	31 lbs	20.9	
40	[MM]	200	430	200	88	110	4 x 18	150	18	16 kg	27	
	[IN]	7.9	16.9	7.9	3.5	4.3	4 x 0.71	5.9	0.71	35 lbs	31	
50	[MM]	230	465	200	102	125	4 x 18	165	20	19 kg	40	
	[IN]	9.1	18.3	7.9	4	4.9	4 x 0.71	6.5	0.79	42 lbs	46	
65	[MM]	290	460	200	122	145	8 x 18	185	22	29 kg	78	
	[IN]	11.4	18.1	7.9	4.8	5.7	8 x 0.71	7.3	0.87	64 lbs	90.7	
80	[MM]	310	520	250	138	160	8 x 18	200	24	38 kg	113	
	[IN]	12.2	20.5	9.8	5.4	6.3	8 x 0.71	7.9	0.94	84 lbs	131	
100	[MM]	350	625	315	162	190	8 x 22	235	24	60 kg	179	
	[IN]	13.8	24.6	12.4	6.4	7.5	8 x 0.87	9.3	0.94	132 lbs	208	
125*	[MM]	400	625	315	188	220	8 x 26	270	26	95 kg	256	
	[IN]	15.7	24.6	13.8	7.4	8.7	8 x 1.02	10.6	1.02	209 lbs	298	
150*	[MM]	480	835	400	218	250	8 x 26	300	28	125 kg	405	
	[IN]	18.9	32.9	15.7	8.6	9.8	8 x 1.02	11.8	1.1	275 lbs	471	
200*	[MM]	600	895	500	285	320	12 x 30	375	34	190 kg	693	
	[IN]	23.6	35.2	19.7	11.2	12.6	12 x 1.18	14.8	1.34	418 lbs	806	
250*	[MM]	730	1020	500	345	385	12 x 33	450	38	305 kg	1047	
	[IN]	28.7	40.2	19.7	13.6	15.2	12 x 1.3	17.7	1.5	671 lbs	1217	
300*	[MM]	850	1125	630	410	450	16 x 33	515	42	425 kg	1460	
	[IN]	33.5	44.3	24.8	16.1	17.7	16 x 1.3	20.3	1.65	935 lbs	1698	
350*	[MM]	980	1395	720	465	510	16 x 36	580	46	540 kg	1780	
	[IN]	38.6	54.9	28.3	18.3	20.1	16 x 1.42	22.8	1.81	1188 lbs	2070	
400*	[MM]	1100	1400	720	535	585	16 x 39	660	50	831 kg	2024	
	[IN]	43.3	55.1	28.3	21.1	23	16 x 1.54	26	1.97	1828 lbs	2348	
500*	[MM]	1300	1500	720	615	670	20 x 42	755	52	1300 kg	3100	
	[IN]	51.2	59.1	28.3	24.2	26.4	20 x 1.65	29.7	2.05	2860 lbs	3596	

* NOMINAL SIZES WITH EQUILIBRATING DISC

** E-T-E DIMENSIONS FOR BUTT WELD ENDS AND SOCKET WELD ENDS SEE PAGE 106-110