



DIMENSIONS - INCHES (MM)''

SIZE ØD	L	ANSI B 16.1 CLASS 125				
		IN.	ØD	ØC	ØH	N
14 (DN350)	15 (381)	21(533)	18-3/4(476)	1-1/8(29)	12(305)	1-3/8(35)
16 (DN400)	16 (406)	23-1/2(597)	21-1/4(540)	1-1/8(29)	16(406)	1-7/16(37)
18 (DN450)	17 (432)	25(635)	22-3/4(578)	1-1/4(32)	16(406)	1-9/16(40)
20 (DN500)	18 (457)	27-1/2(699)	25(635)	1-1/4(32)	20(508)	11-1/16(43)
24 (DN600)	20 (508)	32(813)	29-1/2(749)	1-3/8(35)	20(508)	1-7/8(48)

DIMENSIONS - INCHES (MM)''

SIZE ØD	A	ØS AT BASE	H	H1	H2	H3	L1	ØM	N1	GEAR	BYPASS
IN.	(MIN)	OF THREAD								RATIO	SIZE
14 (DN350)	0.78(20)	1.398(36)	38.58(980)	14.59(371)	12.68(322)	11.50(292)	11.18(284)	1x8TPI (UNC)	10(254)	2.5:1	2(51)
16 (DN400)	0.87(22)	1.556(40)	44(1118)	16.64(423)	14.38(365)	25.79(655)	14.58(370)	1x8TPI (UNC)	14(356)	3:1	3(76)
18 (DN450)	0.95(24)	1.556(40)	47.33(1202)	18.71(475)	15.59(396)	27.88(708)	14.58(370)	1-1/8 x8TPI (UNC)	14(356)	3:1	3(76)
20 (DN500)	1.10(28)	1.831(47)	51.38(1305)	20.79(528)	17.56(446)	27.88(708)	14.58(370)	1-1/8 x7TPI (UNC)	18(457)	3:1	3(76)
24 (DN600)	1.18(30)	2.028(52)	60.24(1530)	22.05(560)	24.73(628)	32.63(829)	17.32(440)	1-1/4 x7TPI (UNC)	18(457)	4:1	4(102)

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MATERIAL LIST

NO.	PARTS	MATERIALS	ASTM DESIGN	QTY.
432	Packing Box Bolt	Stainless Steel	A 276 Type 304	1 set
352	O-Ring C	Rubber (Buna N)	D 2000 BK 707	1
350	O-Ring A	Rubber (Buna N)	D 2000 BK 707	1
345	Packing	Braided Packing Synthetic Yarn with PTFE		1 set
329	O-Ring	Rubber (Buna N)	D 2000 BK 707	1
320	Bonnet Gasket	Rubber (Buna N)	D 2000 BK 807	1
253	Disc Guide	Bronze	B62	1
251	Body Guide Bolt	Stainless Steel	A 276 Type 304	1 set
178	Gland Bolt & Nut	Stainless Steel	A 276 Type 304	2
174	Bonnet Bolt & Nut	Stainless Steel	A 276 Type 304	1 set
168	Stem	Stainless Steel	A 276 Type 316	1
085	Disc Guide Bolt	Stainless Steel	A 276 Type 304	1
084	Roller	Bronze	B62	2
083	Roller Box	Bronze	B62	1
082	Bonnet Guide	Bronze	B62	2
081	Body Guide	Bronze	B62	2
071	Stem Nut	Bronze	B62	1
069	Gland Bushing	Bronze	B62	1
067	Packing Box Bushing	Bronze	B62	1
066	Bonnet Bushing	Bronze	B62	1
062	Disc Seat Ring	Bronze	B62	2
061	Body Seat Ring	Bronze	B62	2
049	Gear Operator	See Table	-----	1 set
010	Operating Nut	Cast Iron	A 126 Class B	1
005	Gland	Ductile Iron	A 536 Gr.65-45-12	1
004	Packing Box	Ductile Iron	A 536 Gr.65-45-12	1
003	Disc	Ductile Iron	A 536 Gr.65-45-12	1
002	Bonnet	Ductile Iron	A 536 Gr.65-45-12	1
001	Body	Ductile Iron	A 536 Gr.65-45-12	1

