



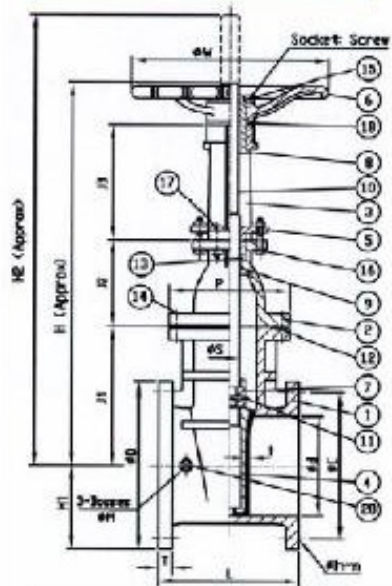
FIG. 172
MODEL 105U

DESIGN SPECIFICATIONS



Yoke Construction
For Size 12" (300)

NO.	PARTS	MATERIALS	ASTM. DESIGNATION
1	Body	Cast Iron	A 126 Class B
2	Bonnet	Cast Iron	A 126 Class B
3	Yoke	Cast Iron	A 126 Class B
4	Disc	Cast Iron & Rubber (Buna-N)	A 126 Class B
5	Gland	Cast Iron	A 126 Class B
6	Hand Wheel	Cast Iron	A 126 Class B
7	Stem Nut	Bronze	B 62
8	Yoke Sleeve	Bronze	B 62
9	O-Ring D	Rubber (Buna-N)	D 2000 AA 6014
10	Stem	Bronze	B 21
11	Roll Pin	Stainless Steel	A 276 Type 304
12	Bonnet Gasket	Rubber (NR)	D 2000 AA 6014
13	Packing	Carbonized Fiber	D 4102
14	Bonnet Bolt & Nut	Steel	A 307 Grade B
15	Hand Wheel Nut	Galvanized Steel	A 307 Grade B
16	Gland Bolt & Nut	Steel	A 307 Grade B
17	Yoke Bonnet Bolt-Nut	Steel	A 307 Grade B
18	Hand Wheel Washer	Bronze	B 62
19	Yoke Bolt & Nut	Steel	A 307 Grade B
20	Plug	Malleable Iron	A 47



Remark : Part No. 4

Disc (Cast Iron ASTM A126 Class B) encapsulated
with Buna-N rubber (ASTM D 2000 AA 6014)

SIZE in d ^o mm	L	F langed ANSI B 16.1CL-125					H	H ₁	H ₂	W ^a	S ^a	M ^a	t	J ₁	J ₂	J ₃	O	NO. of Turns	CV Factor	Approx. Weight		
		D ^a	C ^a	h ^a	n	T														Kgs	Lbs.	
2 1/2"	65	190	178	140	19	4	17.5	336	89	403	180	25.4	1/2" PT.	3	120	62	100	143	13	500	22.5	49.6
3"	80	203	191	152	19	4	19	394	95.5	467	180	25.4	1/2" PT.	3	130	94	104	152	16	740	29	64
4"	100	229	229	191	19	8	23.8	485	114.5	579	250	28.6	1/2" PT.	4	147	135	134	163	22	1310	43.2	95.2
6"	150	267	279	241	22.2	8	25.4	633	139.5	747	300	31.75	3/4" PT.	4	212	166	190	196	30	2950	73.5	162
8"	200	292	343	299	22.2	8	28.6	776	171.5	992	345	34.9	3/4" PT.	4	282	179	238	227	33	5250	127	280
10"	250	330	406	362	25.4	12	30.2	968	203	1222	407	44	1" PT.	4	323	250	300	242	41	8220	207	456.2
12"	300	356	483	432	25.4	12	31.8	1111	241.5	1410	450	44	1" PT.	6	383	262	370	284	49	11820	335	737



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