S.O. 12-V-668-R 1

CHANGE

S.O. 12-V-668-R & G-SV-23195 2

2. ADDED ITEMS 71 & 72 AS PER ADD'L PARTS LIST #CM-23. FROM MACHINING DATA FOR NEEDLE CAP, DELETED PART WHICH READ "AFTER FILLING GROVES IN NEEDLE CAP WITH LUBRIPLATE" & ADDED NOTE TO FILL WITH LUBRIPLATE AFTER ASSEMBLED. — [illegible] 11-30-51

12-V-668-R 3

ADDED ITEM #71. ADDED NOTE TO SHUT VALVE IN VIEW B-B PER LATEST CATALOG CHANGE. [illegible] 12-19-51

12-V-668-R G-SV-61793 4

6 LGTH OF CAP SCREWS, ITEM 6, WAS 2" — [illegible] 3-10-52

ITEMS #"2, #"13 #"14 & #"15 ADDED 5

ITEM 16 WAS "ITEM 4" STUD

NOTE #3 ADDED

ITEM WAS 1-3

[illegible] 3-10-52

12-V-668-R 6

57 ITEM 57 WAS BOLT HEX, 5/8-11 x 3 1/2 LG., BRASS.

76 6TH FOR ITEM 76 WAS 2. DELETED NOTE #3 PERTAINING TO ASSY OF BUSHING. [illegible] 4-21-52

S.O. 12-V-668A 7

17 NUT WAS JAM HEX. S.F. 5/8-11 - CL. 3 QTY 2

61 WAS 2 1/8 x 8 X 7/8 LG.

70 WAS 2 1/4 x 8 X 7/8 LG.

G-27-52: John Rodriguez

FLOW

11'-8" DIA.

8'-3 3/4" DIA.

7'-0" DIA.

64 HOLES FOR 2" BOLTS 7'-11 1/2" DIA. B.C.

3"

4-3 3/8"

8'-9"

10'-1"

5'-9 1/2"

5'-9 5/8"

5'-11"

6'-10 1/2"

5'-4"

24"

18"

8"

3/4"

SEE VIEW B-B

2" - 300# STD. FLANGE 8 HOLES FOR 3/4 BOLTS 5" DIA. BOLT CIRCLE

2" - 300# STD. FLANGE 8 HOLES FOR 3/4 BOLTS 5" DIA. BOLT CIRCLE

FOUR HOLES FOR 2" ANCHOR BOLTS

ASSEMBLE PILOT VALVE (ITEM 19) WITH CLEARANCE PROVIDED AT BEVEL SHAFT (ITEM 10) AS ARRANGED ON FLG. BEFORE ATTACHING COVER PLATE (ITEM 14).

VIEW B-B
SHOWING ASSEMBLY OF PILOT VALVE

VIEW A-A

1 CONSIST OF 3 "C" RINGS, ONE LINE OF BEVELED ASBESTOS GASKETS TO BE SYNTHETIC RUBBER - SHORE DUROMETER HARDNESS 70 TO 80 AND ONE LINE OF ASBESTOS GASKETS TO BE MADE INTO RINGS TO FIT OVER STUDS WITH ONE SPLICE. JOINTS OBTAINED FROM KLINGERITE CO. OR EQUAL. FITTINGS ORDER WITH GASKETS ON GEAR APPARATUS ONLY AS SV-17-172.

APPARATUS 84" HOLLOW JET VALVE

DWG SV-17-170 SUB 1 SERIAL 1691567

SYM	ITEM	DESCRIPTION	PATT. No. REF. DWG.	ITEM	MATL.
	1	Body Outlet Section	SV-17-166	1	CAST STL.
	2	Body Outlet Section	SV-17-168	1	CAST STL.
	3	Needle & Seat Assy.	SV-521-126	1	
	4	Needle Cap	SV-521-123	1	CAST STL.
	5	Packing Gland Ring	SV-521-124	1	CAST STL.
	6	Packing Stuffing Box Ring	16476	1	CAST STL.
	7	Packing 5/8"-40 x 4 1/8" Lg.		1	
	8	Crown or Head	SV-17-166	1	CAST STL.
	9	Pilot Valve	SV-521-126	1	
	10	Needle & Seat Assy.	SV-521-125	1	
	11	Gland	SV-521-124	1	CAST STL.
	12	Stud - 3/4"-10 x 2 3/8" Long	16476	16	@ 2811
	13	Packing 5/8"-40 x 4 1/8" Lg.		1	
	14	Pilot Cover Plate	SV-521-127	1	CAST STL.
	15	Stud 3/4"-10 x 2 1/2" Long	16476	16	@ 2811
	16	Stud 3/4"-10 x 4 1/2" Lg.	SV-521-130	1	STEEL @ 2811
	17	Nut - SELF LOCKING	SV-111-FES1-1-CL	16	STEEL @ 2811
	18	Spacing	SV-521-94	1	CAST STL.
	19	Pilot Valve	SV-521-95	1	CAST STL.
	20	O-Ring 5 1/2" I.D. x 5/8" Diam.		1	RUBBER
	21	Stud - 3/4"-10 x 3 1/2" Long	16476	8	@ 2811
	22	Cap Screw - Soc. Hd. 3/4"-10 x 4" Lg.		8	ALLOY STEEL
	23	Pilot Valve Complete (Ass'y)	SV-521-126	1	CAST STL.
	24	Packing Gland	SV-521-123	1	CAST STL.
	25	Gland	SV-521-122	1	CAST STL.
	26	Packing	16476	1	RUBBER
	27	Stud - 3/4"-10 x 3 3/4" Lg.	16476	8	@ 2811
	28	Nut - Hex. Reg. Semi-Fin. 3/4"-10 NC-2		8	@ 2811
	29	Bevel Pinion	SV-521-128	1	STL.
	30	Bevel Planing Assy.	SV-521-129	1	STL.
	31	Bushing Assembly	SV-521-128	1	
	32	Bolt - Hex. Hd. 3/4"-10 x 2 3/4" Lg.	SV-521-174	8	@ 2811
	33	Stem (Lower Section)	SV-521-171	1	STL.
	34	Gland	2516-2127	1	BRONZE
	35	Packing - 5 1/2" I.D. x 6" O.D. x 5/8" Thick		1	ASBESTOS & RUBBER COMPOSITION
	36	Hex. Lock Nut 1" NF.		1	@ 1248

DWG SV-17-170 SUB. 1

SYM	ITEM	DESCRIPTION	PATT. No. REF. DWG.	ITEM	MATL.
	37	Gear & Pinion Assy.	SV-521-129	1	
	38	Bushing	22E-11-180	1	BRZ.
	39	Bushing		1	BRZ.
	40	Thrust Pin 3/4" x 6 1/4" Lg.	SV-521-127	1	STL. COMM'L
	41	Cap		2	
	42	Stud 3/4"-10 x 2 1/4" Lg.	16476	16	@ 2811
	43	Bushing	SV-521-20	2	BRZ.
	44	Bushing	SV-521-20	1	BRZ.
	45	Washer	SV-521-48	2	BRZ.
	46	Washer	SV-521-18	1	BRZ.
	47	Bevel Gear	35F-L-121	1	STEEL
	48	Stud 1/4"-7 x 5 3/4 Lg.	16476	16	@ 2811
	49	Nut - Hex. Reg. Semi-Fin. 1/4"-7 NC-2		16	@ 2811
	50	Pipe Plug Sq. Hd. 2"		1	BRASS
	51	Pipe Plug Sq. Hd. 1"		1	BRASS
	52	Stud 2 1/4"-8 x 6 3/4" Lg.	9-H-200	16	@ 2811
	53	Nut - Hex. Reg. Semi-Fin. 2"-8 NC-2		16	@ 2811
	54	Taper Pin 1" x 4 1/2"	9-H-200	1	STEEL
	55	Stud 1"-8 x 2 3/4" Lg.	SV-520-102	1	STEEL @ 2811
	56	Dowel Pin 1" Dia. x 6 1/2" Lg.	16476	1	STEEL @ 2811
	57	Packing Gland	16723	1	BRONZE
	58	Bolt - Hex. Hd. 5/8"-11 x 3 1/2" Lg.	SV-520-103	4	BRASS
	59	Eye Bolt - Shoulder 3/4"-10 x 2 1/2" Lg.		1	STEEL @ 2811
	60	Eye Bolt - Shoulder 3/4"-10 x 2 1/2" Lg.	9-H-200	1	STEEL @ 2811
	61	Stud 2 1/4"-8 x 7 3/8" Lg.	9-H-200	1	STEEL @ 2811
	62	Stud Dowel 2 1/4"-8 x 4 1/2" Lg.	SV-520-102	1	STEEL @ 2811
	63	Gasket - Needle Cap		1	See Note 1
	64	Gasket - Needle Cap		1	See Note 1
	65	Gasket - 9" Diam. O.D. 7" Diam. I.D. 1/16" Thick		1	See Note 1
	66	Gasket - 18" Diam. O.D. 17" Diam. I.D. 1/16" Thick		1	See Note 1
	67	Gasket - 32 3/4" Diam. O.D. 31 1/4" Diam. I.D. 1/16" Thick		1	See Note 1

DWG SV-17-170 SUB. 1

SYM	ITEM	DESCRIPTION	PATT. No. REF. DWG.	ITEM	MATL.
	68	Gasket - 5" O.D. 3" Diam. I.D.		1	See Note 1
	69	Pipe Flange 4" x 4" Dia.	SV-521-172	16	STEEL @ 2811
	70	Stud 2 1/4"-8 x 8 1/2" Lg.	9-H-200	16	@ 2811
	71	Taper Pin		2	
	72	Stud - Dowel	SV-520-103	2	
	73	Bushing - Coupling Screw	SV-520-89	1	
	74	Washer - Thrust	SV-520-89	2	
	75	Bushing - Bolt	SV-520-89	3	

WESTINGHOUSE ELECTRIC CORPORATION

TITLE Valve Assembly 84" Hollow Jet Valve

DIMENSIONS IN INCHES - SCALE 3/8" = 1"

DRAWN [illegible] 5/10/52

TRACED [illegible]

CHECKED [illegible]

SUPERSEDES [illegible]

SUPERSEDED BY [illegible]

DWG. NO. SV-17-170