

YORK®

MODEL OT OPEN TURBOPAK CENTRIFUGAL LIQUID CHILLING UNITS UNIT PARTS

RENEWAL PARTS

Supersedes: Nothing

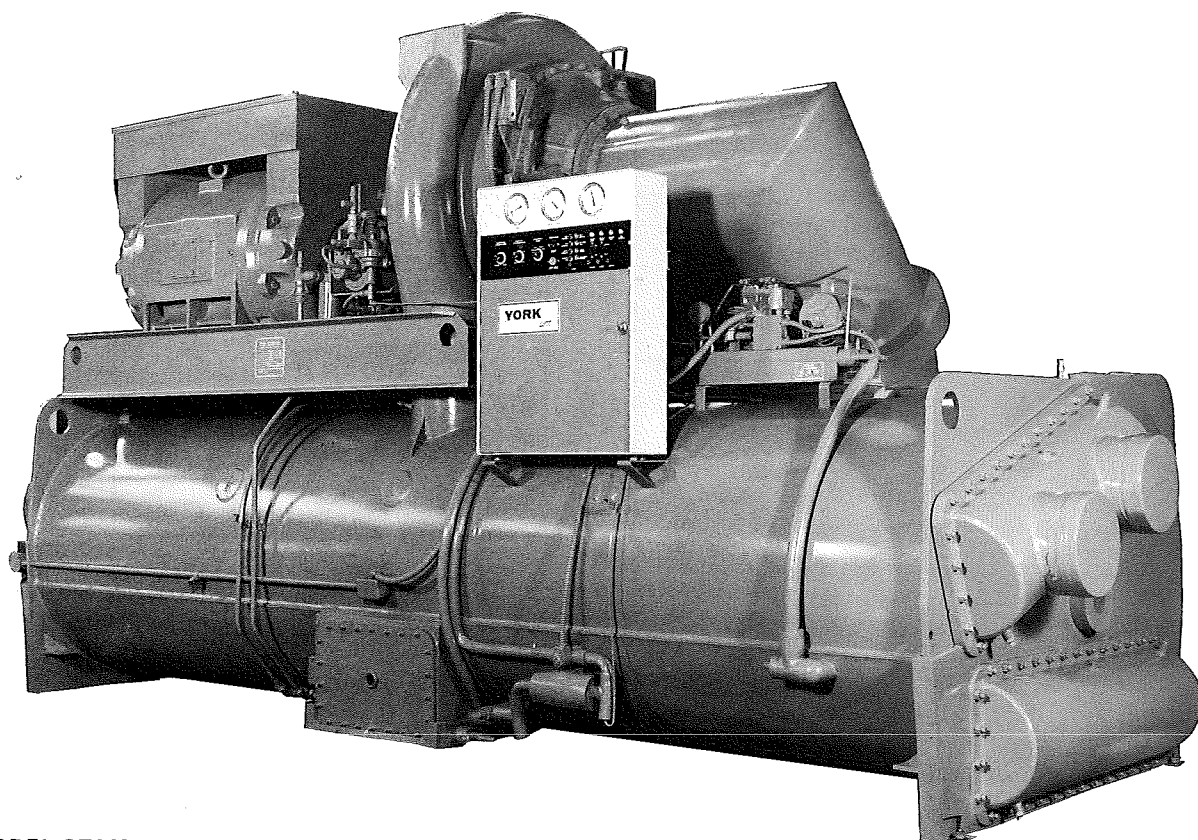
673

Form 160.57-RP1 (Sect. I)

MODELS OT 90 THRU OT 640

WITH REVISED COMPRESSOR SUCTION CONNECTION, AUTOMATIC
OIL RETURN SYSTEM, OILLESS COMPRESSOR PURGE UNIT, AND
BARBER COLEMAN PRV MOTOR

90 THRU 640 TONS



MODEL OT640

TABLE OF CONTENTS

OT OPEN TURBOPAK UNIT PARTS	.2-8
OT90 THRU OT640	.2-3
PURGE UNIT	.4
MONO SHELL	.5-7
ISOLATORS	.8
MODEL LTD COMPRESSOR PARTS	SEE FORM 160.57-RP1 (SECT. II)
ELECTRONIC AND PNEUMATIC COMPONENTS	SEE FORM 160.42-RP2 (SECT. III)

OT TURBOPAK UNIT PARTS

MODELS OT90 THRU OT640

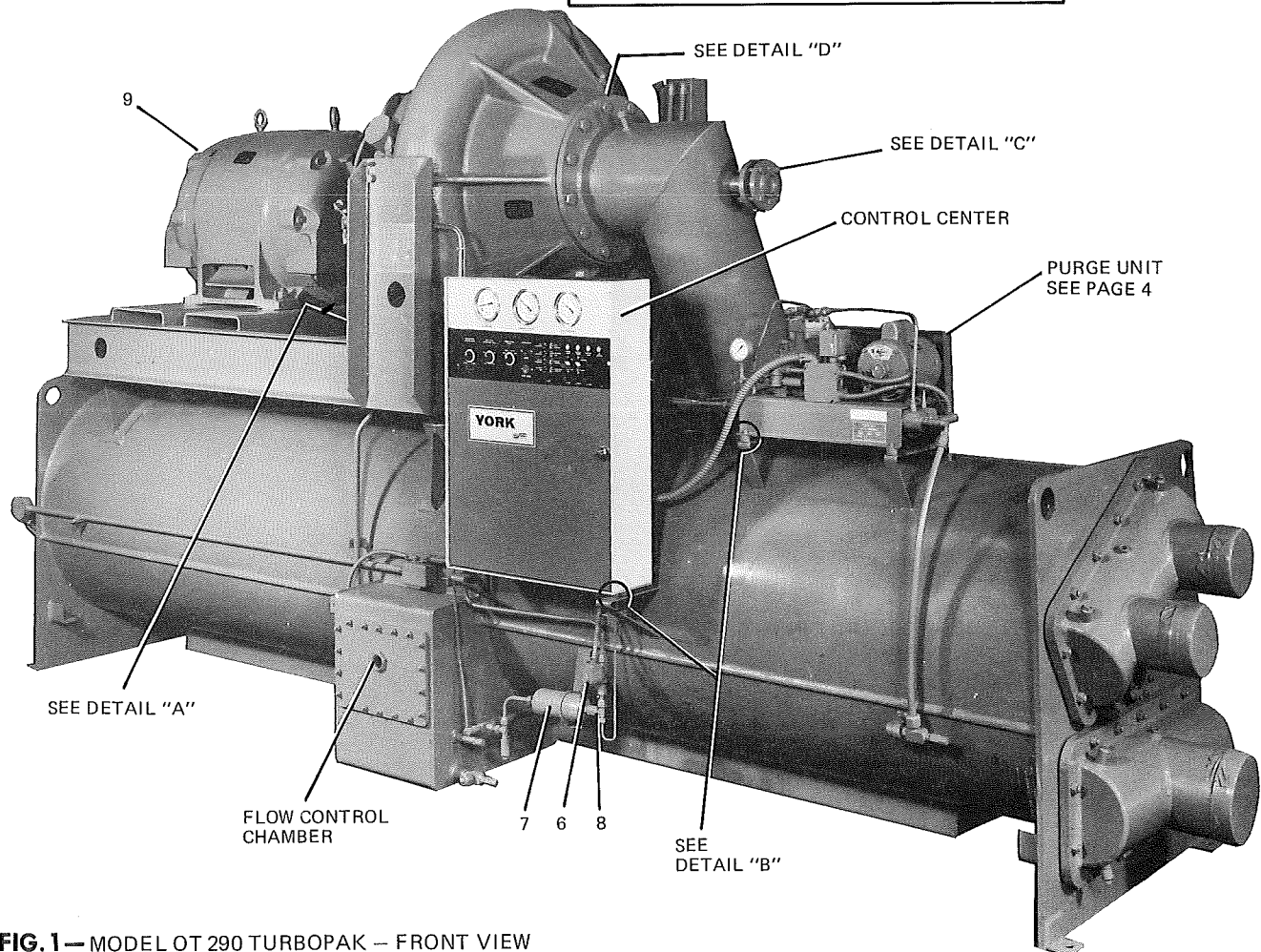
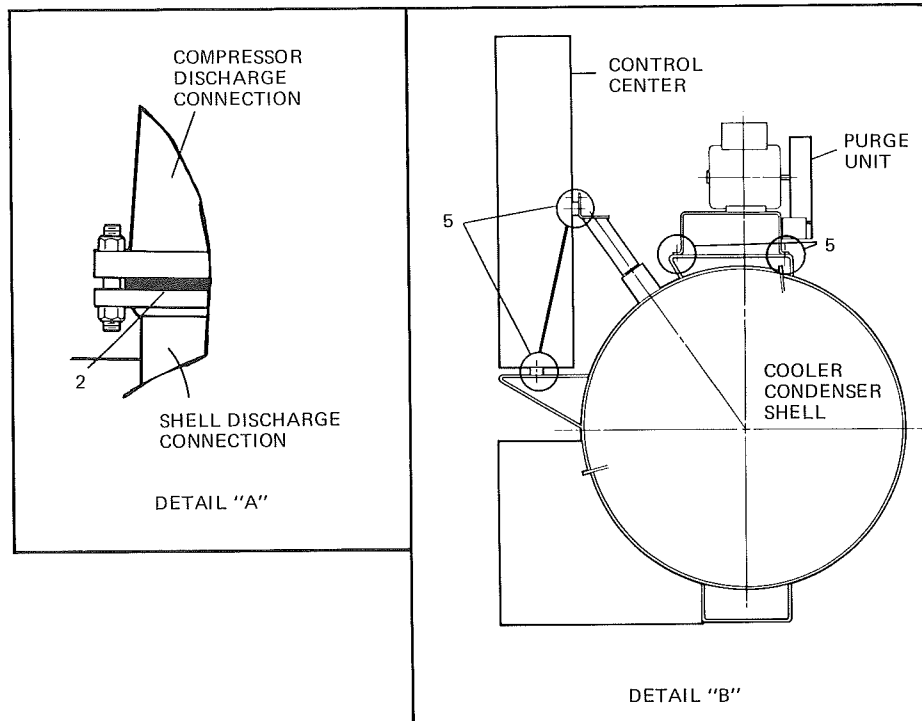


FIG. 1— MODEL OT 290 TURBOPAK — FRONT VIEW

MODELS HT90 THRU HT640

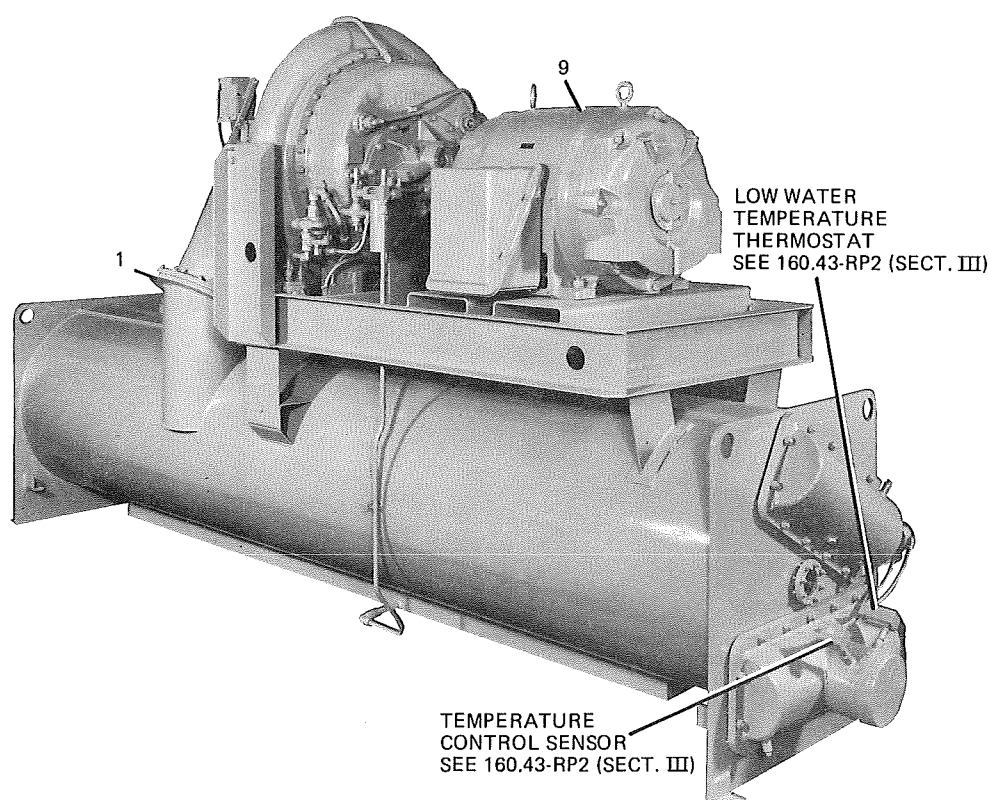
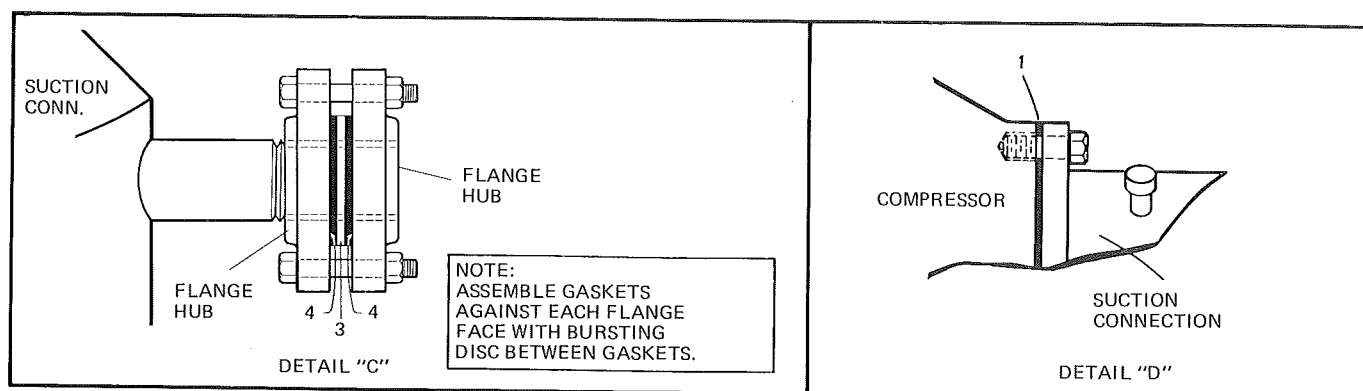


FIG. 2— MODEL OT 290 TURBOPAK — REAR VIEW

TABLE 1— BASIC UNIT PARTS

ITEM	PART DESCRIPTION	QUAN.	PART NUMBER			
			OT90 THRU OT130	OT150 THRU OT230	OT260 THRU OT360	OT390 THRU OT640
1	GASKET, SUCTION CONNECTION	2	028-08778-001	028-08778-002	028-08778-003	028-08778-004
2	GASKET, DISCHARGE	1	070-12343	070-12208	070-10630	070-10633
3	BURSTING, DISC	1	026-09353	026-09353	026-09353	026-09353
4	GASKET, BURSTING DISC	2	070-15845	070-15845	070-15845	070-15845
5	ISOLATOR	7	028-02162	028-02162	028-02162	028-02162
6	SOLENOID VALVE	1	025-16914	025-16914	025-16914	025-16914
7	DEHYDRATOR	1	026-14777-007	026-14777-007	026-14777-007	026-14777-007
8	EDUCTOR, OIL RETURN	1	364-18241	364-18241	364-18241	364-18241
9	MOTOR	1	SEE DATA NAMEPLATE	SEE DATA NAMEPLATE	SEE DATA NAMEPLATE	SEE DATA NAMEPLATE

PURGE UNIT

OILLESS COMPRESSOR TYPE

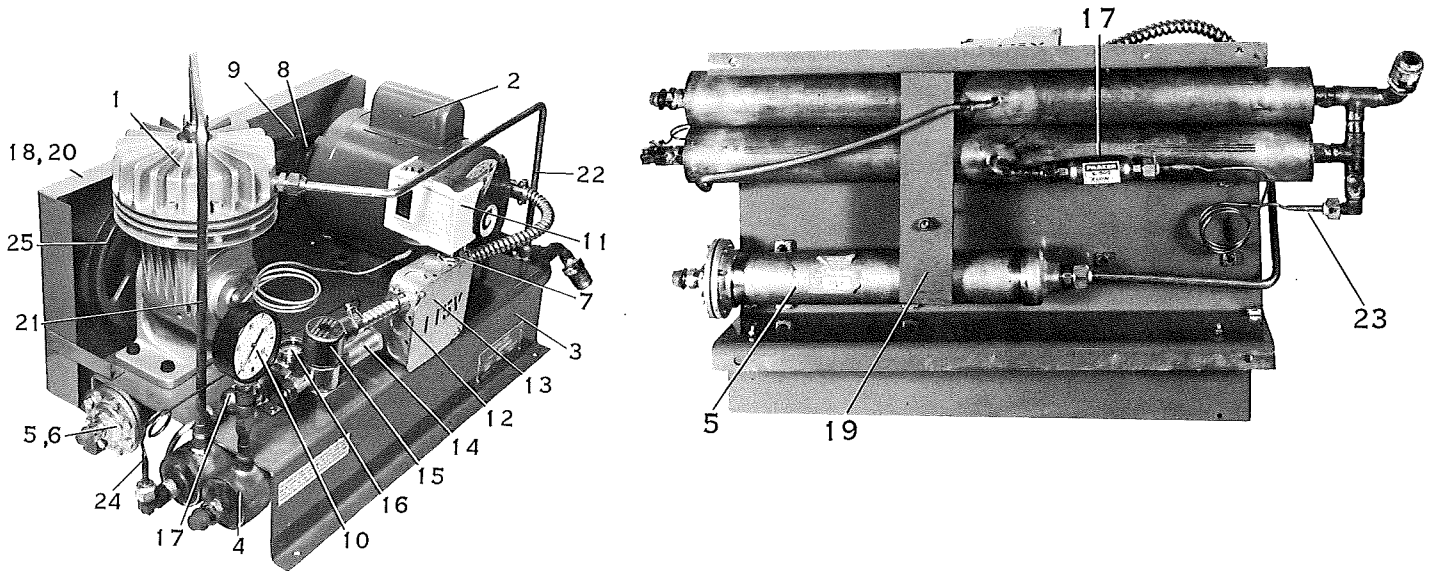


FIG. 3— PURGE UNIT

TABLE 2 —PURGE UNIT

ITEM	PART DESCRIPTION	QUAN.	PART NUMBER 115-1-60	PART NUMBER 115-1-50	PART NUMBER 240-1-50
1	COMPRESSOR, DIAPHRAGM TYPE	1	015-00873	015-00873	015-00873
2	MOTOR, 1/2 HP	1	024-07055	024-09617	—
3	BASE	1	066-41393	066-41393	066-41393
4	CONNECTIONS (CONCENTRATOR & PURGE)	1	366-41491	366-41491	366-41491
5	DEHYDRATOR, CARTRIDGE TYPE	1	026-10930	026-10930	026-10930
6	CARTRIDGE, DEHYDRATOR	2	026-10931	026-10931	026-10931
7	NIPPLE, PIPE 1/2	1	070-01291	070-01291	070-01291
8	PULLEY	1	028-08804	028-05493	—
9	"V" BELT 4L400	1	028-06090	028-06090	—
10	GAUGE, PRESSURE	1	026-10558	026-10558	026-10558
11	CONTROL, PRESSURE (HP CUTOUT)	1	025-17617	025-17617	025-17617
12	BOX, JUNCTION	1	025-06390	025-06390	025-06390
13	COVER, JUNCTION BOX	1	025-05026	025-05026	025-05026
14	VALVE, CHECK STRAIGHT THRU	1	022-03571	022-03571	022-03571
15	VALVE, SOLENOID (EXHAUST)	1	025-16479	025-16479	025-16870
16	INDICATOR, LIQUID	1	026-16863	026-16863	026-16863
17	DEHYDRATOR	2	026-17295	026-17295	026-17295
18	GUARD, BELT	1	366-57713	366-57713	366-57713
19	SUPPORT, (DEHYDRATOR & BOOSTER)	1	367-82892	367-82892	367-82892
20	COVER, GUARD BELT	1	066-57710	066-57710	066-57710
21	CONN., BOOSTER TO SUCT.	1	366-41351	366-41351	366-41351
22	CONN., COMPR. DISCH. TO CONCENTRATOR	1	366-41352	366-41352	366-41352
23	TUBE, RESTRICTOR	1	366-25465	366-25465	366-25465
24	TUBE, RESTRICTOR	1	366-25464	366-25464	366-25464
25	PULLEY, FX PD	1	028-06578	028-06578	—

* DIAPHRAM KIT, INCLUDING DIAPHRAM AND SET OF GASKETS IS AVAILABLE BY PART NO. 015-00887.

COOLERS AND CONDENSERS

OT90 -- OT130

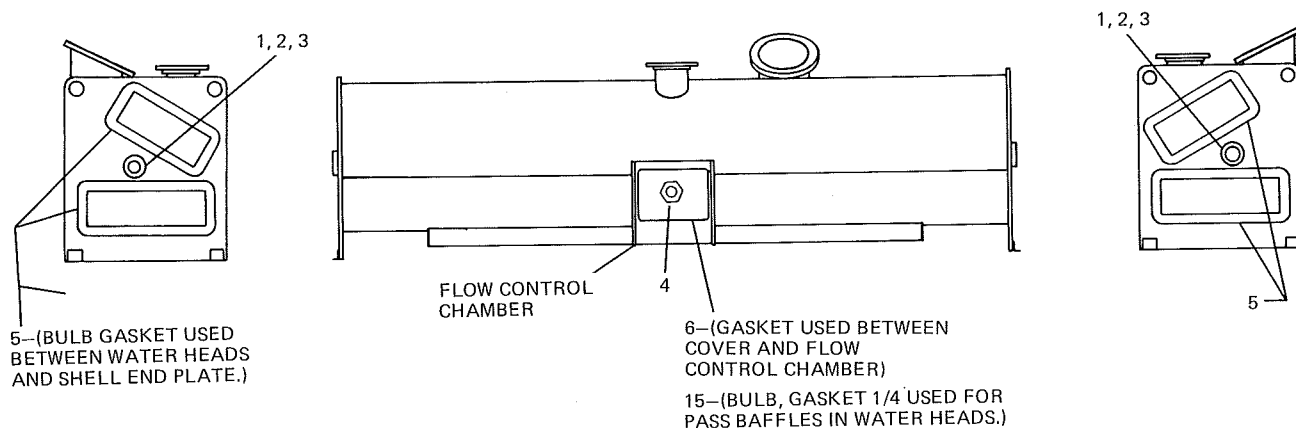


FIG. 4-- COOLER CONDENSER SHELL -- OT90--OT130

OT150 -- OT350

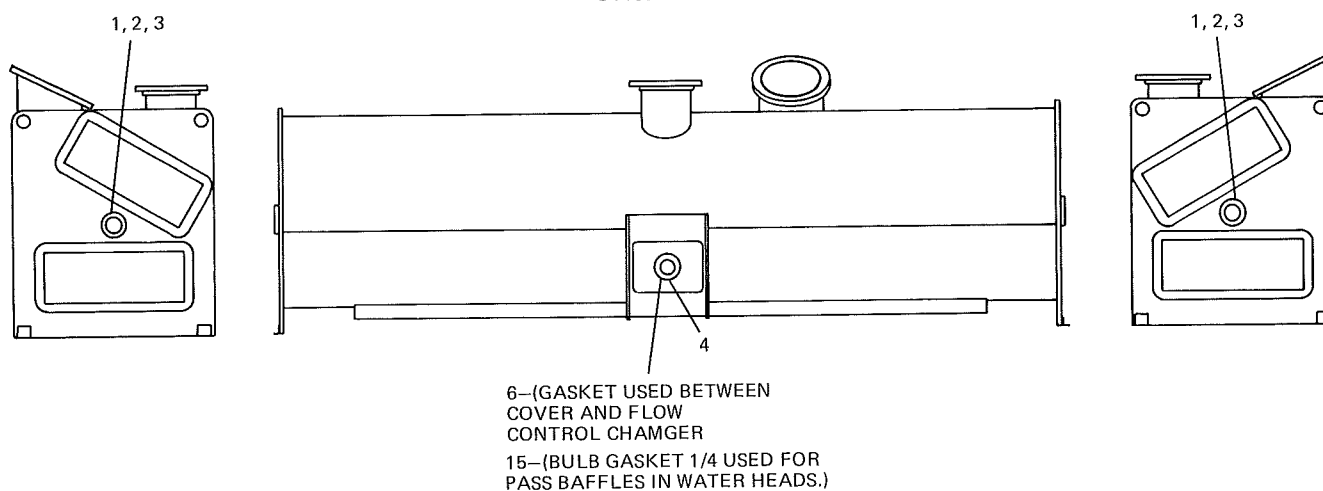


FIG. 5-- COOLER CONDENSER SHELL -- OT150 THRU OT360

OT390 -- OT 600

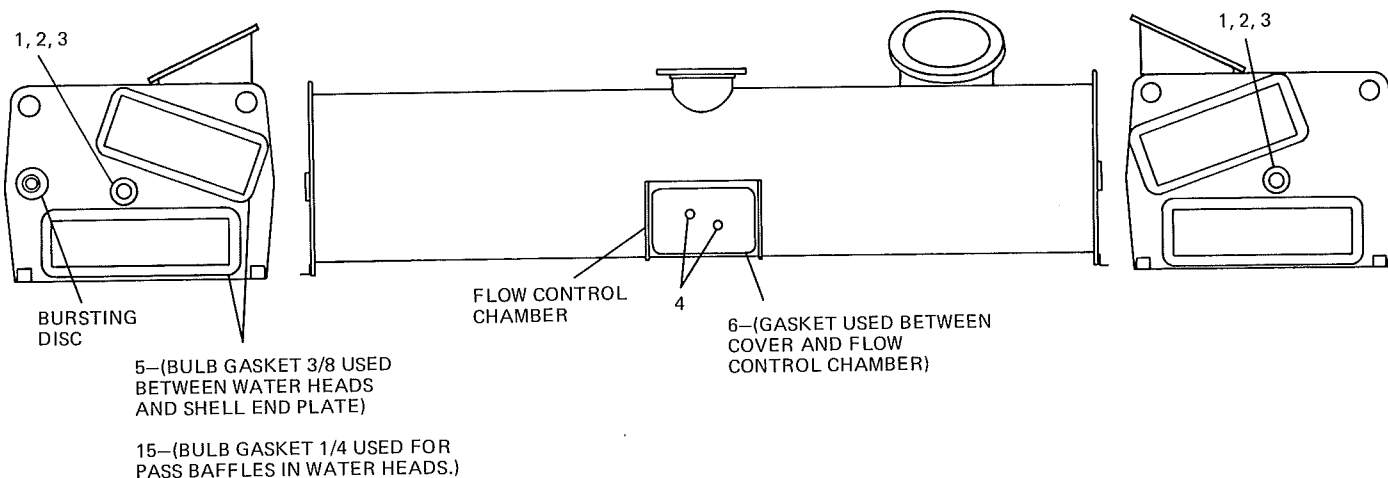


FIG. 6-- COOLER CONDENSER SHELL -- OT390 THRU OT640

TABLE 3—SHELL

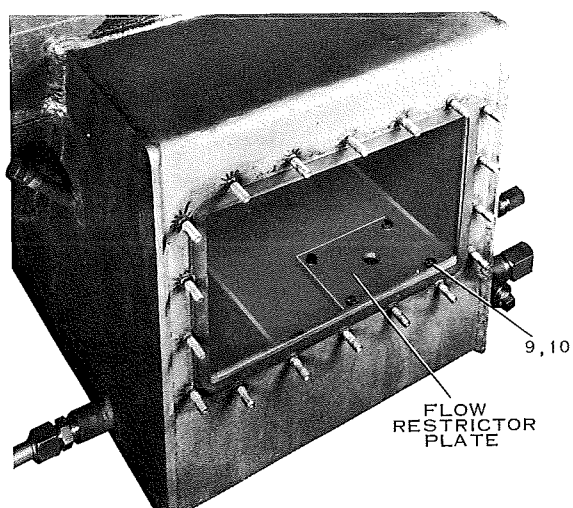
Item	Part Description	OT90-130			OT150-360			OT390-640		
		Part No.	Quan.	Fig.	Part No.	Quan.	Fig.	Part No.	Quan.	Fig.
1	Glass, Sight 4"	026-09608	2	4	026-09608	2	5	026-09608	2	6
2	Gland, Sight Glass 4"	067-27590	2	4	067-27590	2	5	067-27590	2	6
3	Gasket, Sight Glass 4"	070-16406	4	4	070-16406	4	5	070-16406	4	6
4	Glass, Sight 1-1/2"	026-14298	1	4	026-14298	1	5	026-14298	1	6
5	Gasket, Bulb 3/8"	028-03242	See Table 4	4	028-03242	See Table 4	5	028-03242	See Table 4	6
6	Gasket, Float Chamber	067-77587	1	4	067-77587	1	5	028-08016	1	6
7	Flow Restriction	See Table 5	1	7,8	See Table 5	1	7,8	See Table 5	1	7,8
8	Gasket, Chan. 1/4"	028-08547	3 ft.	4	028-08547	3 ft.	5	028-08547	3 ft.	6
9	Screw, Cap. Hex-5/16"	021-01425	4	7,8	021-01425	4	7,8	021-01425	4	7,8
10	Lockwasher, Tooth - 5/16"	021-01149	4	7,8	021-01149	4	7,8	021-01149	4	7,8

**TABLE 4 — BULB GASKET — 028-03242 —
QUAN. PER UNIT**

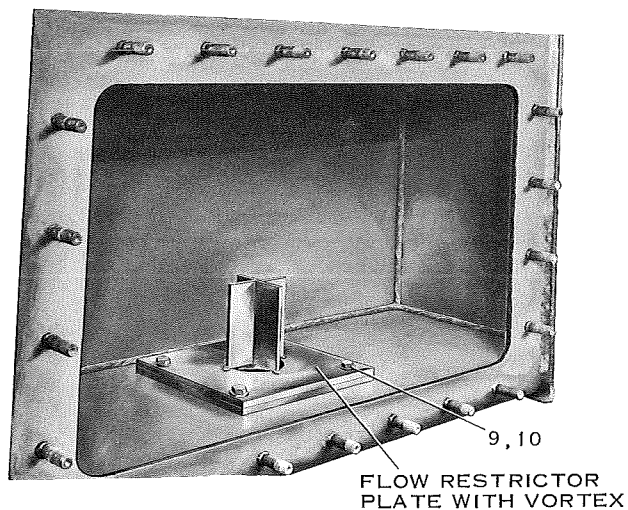
MODELS — OT	QUAN.
90 THRU 130	21 FT.
150 THRU 170	20 FT.
200 THRU 230	24 FT.
260 THRU 290	25 FT.
320	26 FT.
350 THRU 360	28 FT.
390 THRU 430	34 FT.
470 THRU 510	36 FT.
560 THRU 640	39 FT.

TABLE 5 — FLOW RESTRICTOR PLATES

OT	PART NO.	OT	PART NO.
90	066-14776-001	350	066-26042-008
100	066-14776-002	360	066-26042-008
110	066-14776-003	390	366-26047
120	066-14776-004	430	366-26047
130	066-14776-005	470	366-26047
150	066-26042-001	470C	366-26048
170	066-26042-002	510	366-26048
200	066-26042-003	560	366-26048
230	066-26042-004	560C	366-34729
260	066-26042-005	610	366-34729
290	066-26042-006	640	366-34729
320	066-26042-007		



**FIG. 7— FLOW CONTROL CHAMBER
MODELS OT90 THRU OT360**



**FIG. 8— FLOW CONTROL CHAMBER
MODELS OT390 THRU OT640**

SHELL TUBES

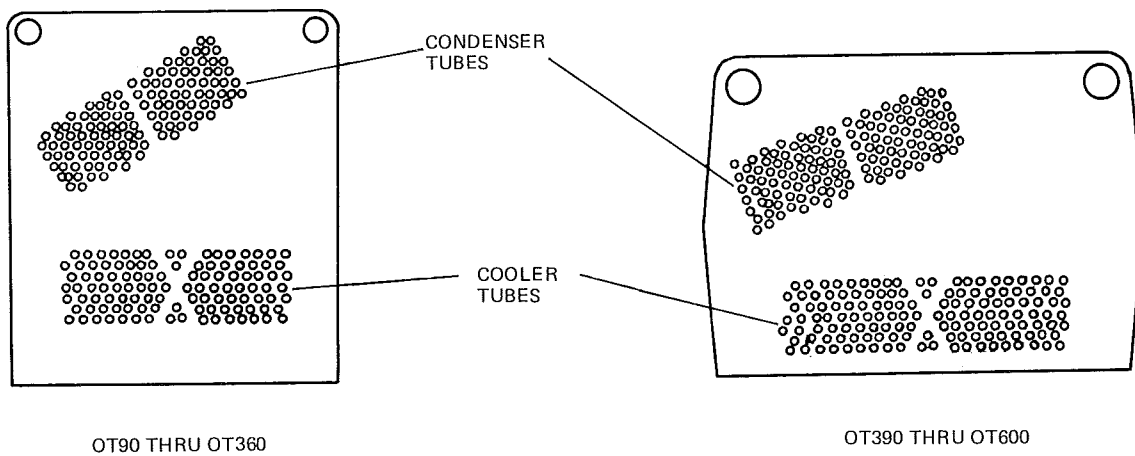


FIG. 9— COOLER AND CONDENSER TUBES

TABLE 6 — TUBES

MODELS	TUBE CONDENSER PART NO. 007-05930 QUAN. PER SHELL	TUBE COOLER PART NO. 007-05931 QUAN. PER SHELL	TUBE CONDENSER PART NO. 007-02796 QUAN. PER SHELL	TUBE COOLER PART NO. 007-04637 QUAN. PER SHELL	TUBE COOLER PART NO. 007-05804 QUAN. PER SHELL
OT90	78	80	—	—	—
OT100	86	88	—	—	—
OT110	94	98	—	—	—
OT120	102	108	—	—	—
OT130	112	116	—	—	—
OT150	—	—	120	106	—
OT170	—	—	136	118	—
OT200	—	—	160	142	—
OT230	—	—	184	163	—
OT260	—	—	210	188	—
OT290	—	—	232	211	—
OT320	—	—	258	230	—
OT350	—	—	294	313	—
OT360	—	—	294	313	—
OT390	—	—	314	—	276
OT430	—	—	347	—	304
OT470	—	—	378	—	332
OT510	—	—	408	—	360
OT560	—	—	450	—	396
OT610	—	—	492	—	430
OT640	—	—	527	—	450

TABLE 7 — SPRING ISOLATORS

MODEL OT	PART NO.	FIG.
90, 100, 110, 120, 130	029-11412	5
150, 170	029-11413	5
200, 230, 260	029-11414	5
290, 320, 350	029-11415	5
390, 430	029-13006	6
470, 510, 560, 600	029-11579	6

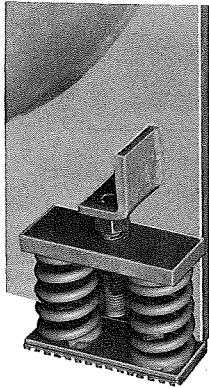


FIG. 10 — SPRING ISOLATORS — MODELS OT90 THRU OT360

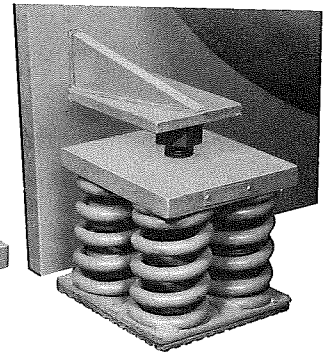
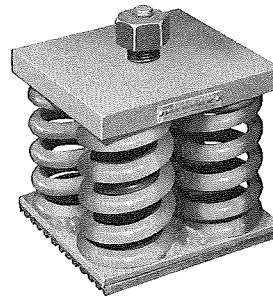
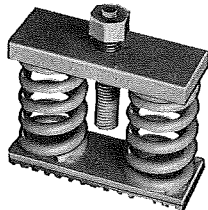


FIG. 11 — SPRING ISOLATORS — MODELS OT390 THRU OT640

TABLE 8 — COMPOUNDS

DESCRIPTION	QUAN.	PART NO.
COMPOUND, HEAT CONDUCTIVE (FOR THERMOMETER WELLS)	4 OZ. CAN	013-00898

TABLE 9 — TOUCH-UP PAINTS—SPRAY CANS

DESCRIPTION	PART NO.
CARRIBEAN BLUE ENAMEL	013-01835
FAWN GRAY ENAMEL (CONTROL CENTER)	013-01836

SUBJECT TO CHANGE WITHOUT NOTICE
PRINTED IN U.S.A.

HIB 5M 673 .20
Form 160.57-RP1 (Sect.I)

Code: S(J) & R(JM)
S(J) & R(JM) — Int.

YORK **BORG WARNER**
DIVISION OF BORG-WARNER CORPORATION
P.O. BOX 1592, YORK, PENNSYLVANIA 17405