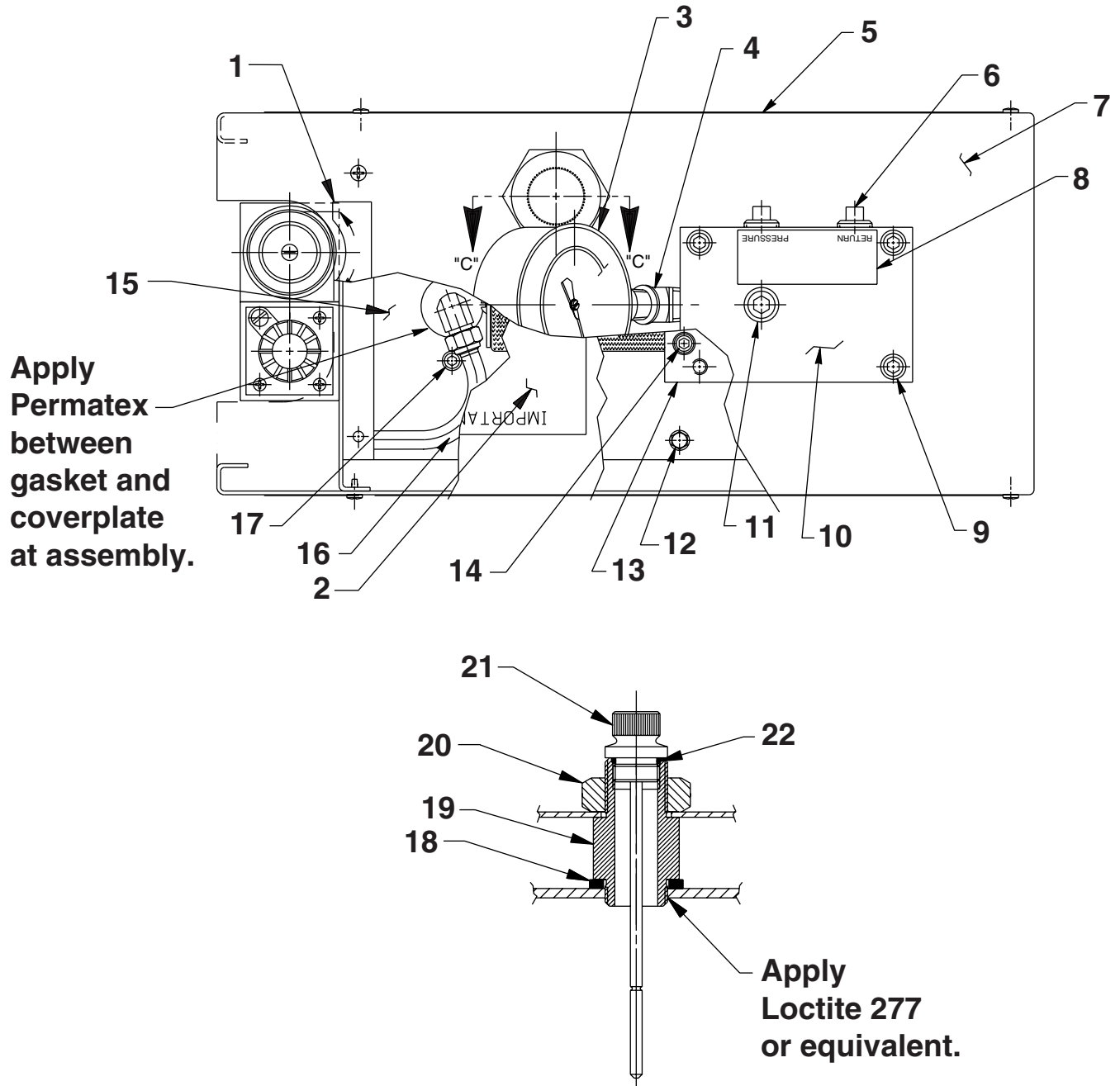


**MODEL G
AIR HYDRAULIC PUMP**

Rated Capacity: 5,000 PSI at 110 PSI Air Max.



Parts List, Form No. 101941, Back sheet 1 of 3

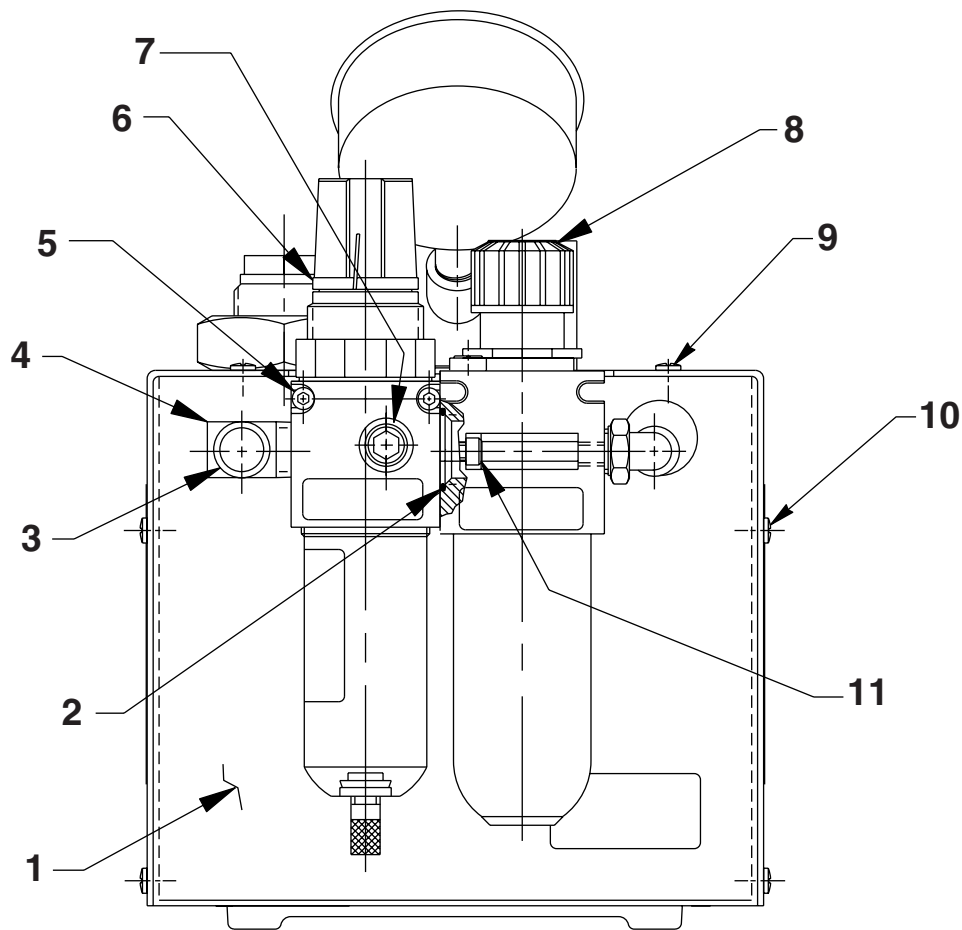
Item No.	Part No.	No. Req'd	Description
1	202076	1	Decal, Label Increase/Decrease (Locate approx. as shown)
2	350492	1	Decal, Instructions (Locate approx. as shown)
3	17946	1	Gauge, 0-6000 PSI (2-1/2" DIA.)
4	10645	1	Fitting, Elbow (45°; 1/4 NPTF)
5	309386	2	Decal, Tradename (Hytec; Locate approx. as shown)
6	10970	2	Fitting, Plug (1/4 NPTF)
7	58760WH2	1	Cover, Top
8	210995	1	Decal, Tradename (Locate approx. as shown)
9	10020	4	Screw, Soc HD (1/4-20 x 1-1/4)
10	45837	1	Manifold
11	10479	1	Fitting, Plug (1/4 NPTF)
12	211060	10	Screw, Hex Washer HD (9-15 x 1; Torque to 25/30 in. lbs.)
13	58714	1	Manifold
14	11151	4	Screw, Socket HD (10-24 x 1-1/4; Torque to 50/60 in. lbs.)
15	58761WH2	1	Plate, Cover
16	14726	.33 ft.	Tubing, Nylon
17	11434	2	Screw, Socket HD (10-24 x 1/2; Torque to 50/60 in. lbs.)
18	252041	1	Washer, Seal (1.50 x 1.05)
19	351190	1	Adapter, Filler Plug
20	252042	1	Nut, Hex Jam (1-14)
21	252070	1	Stick, Dip
22	*10273	1	O-ring (.81 x .62 Nitrile)

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300984.

Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected. **Therefore: Use only genuine Hytec replacement parts!**

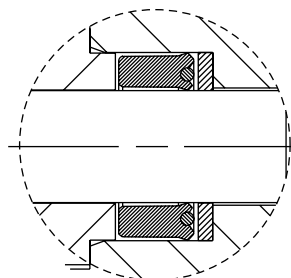
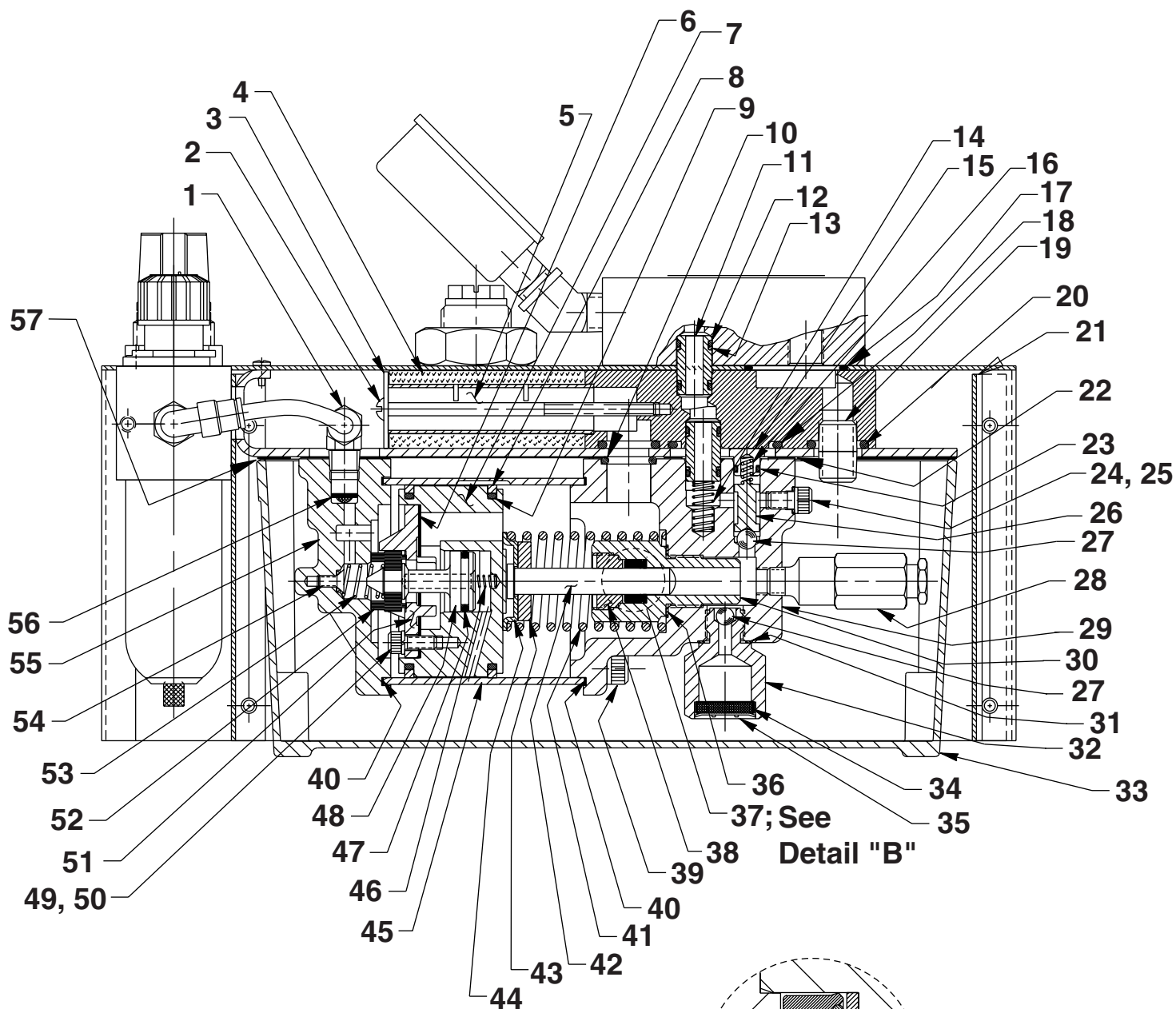
Additional questions can be directed to our Technical Services Department.

END VIEW

Item No.	Part No.	No. Req'd	Description
1	421229PU2	1	Panel, Front
2	*10273	1	O-ring (.81 x .62 Nitrile; Provided with Air Lubricator [Item #8])
3	14794	1	Cap, Plastic
4	15373	1	Fitting, Elbow (90°; 1/4 NPTF)
5	252064	2	Screw, Hex Socket (8-32 x 1-3/4)
6	252032	1	Regulator w/Filter
7	15499	2	Fitting, Plug (1/8 PTF)
8	252030	1	Lubricator, Air
9	14126	10	Screw, Pan Head (10-24 x 3/8)
11	10826	2	Screw, Socket HD (8-32 x 1/2; Provided with Air Lubricator [Item #8])

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300984.

BASIC PUMP ASSEMBLY



DETAIL "B"

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	15457	2	Fitting, Elbow (90°; 1/4 NPTF)	32	48010	1	Adapter, Filter (Torque to 40/50 ft. lbs. oiled)
2	16453	1	Screw, Round HD (10-24 x 4; Apply Loctite 277 or equiv. to external thds.)	33	61243	1	Reservoir
3	16450	1	Washer, Special (1.00 x .26)	34	214578	1	Filter
4	*29992	1	Tube, Foam	35	214586	1	Ring, Retain Int. (0.63 x .015)
5	28387	1	Muffler	36	*10263	1	Washer, Special (1.00 x .77)
6	*28239	1	Gasket	37	*252373	1	U-cup & Backup (.375)
7	52390	1	Body, Piston	38	*351801	1	Retainer (Note: See "INSTRUCTIONS FOR RETAINER REPLACEMENT" on back sheet 3 of 3.)
8	*14265	2	Ring, Piston (2.77 x 2.54)	39	17428	4	Screw, Socket HD (1/4-20 x 3-1/2; Torque to 85/95 in. lbs. oiled; NOTE: Cross torque in increments of 30 in. lbs.)
9	*251835	2	O-ring (2.50 x 2.31 Nitrile)	40	*17429	2	Washer, Backup (2.94 x 2.75)
10	*10272	1	O-ring (.75 x .50 Nitrile)	41	*13938	1	Spring (1.45 OD x 4.4 x .12 WS)
11	21094	2	Bushing	42	252372	1	Piston (3/8")
12	*10268	4	O-ring (.50 x .37 Nitrile)	43	*252371	1	Bumper
13	*11863	4	Washer, Backup (.50 x .38)	44	252370	1	Guide, Spring
14	*16448	1	Spring (.31 OD x .81 x .06 WS)	45	37434	1	Cylinder, Air (NOTE: Locate groove on upper half [top] of pump with chamfered tube end towards rear head as shown.)
15	36497	1	Retainer, Check Valve	46	*12692	1	Spring (.18 OD x 1.70 x .02 WS)
16	*10445	1	Spring (.16 OD x .72 x .01 WS)	47	*211052	1	O-ring (.90 x .70 Nitrile)
17	*16684	1	O-ring (1.18 x 1.00 Nitrile)	48	305475	1	Stem, Exhaust Valve
18	*11841	1	O-ring (1.62 x 1.37 Nitrile)	49	*10241	3	Washer, Lock (.33 x .20)
19	15024	1	Fitting, Straight (1/4 NPTF)	50	211054	3	Screw, Socket HD (10-24 x 1/2; Torque to 50/55 in. lbs.)
20	*10276	2	O-ring (1.00 x .75 Nitrile)	51	33822	1	Casting, Piston End Plate
21	42357PU2	1	Panel, Front	52	*28183	1	Poppet, Piston
22	*351021	1	Gasket, Cover Plate	53	*205679	1	Spring (.49 OD x .92 x .04 WS)
23	*12522	1	O-ring (.37 x .25 Urethane)	54	*205674	1	Screw, Flat HD (8-32 x 3/8; Torque to 12/18 in. lbs.)
24	*10442	2	Washer, Copper (.37 x .25)	55	37468	1	Head, Rear
25	10002	1	Screw, Socket HD (1/4-20 x 3/8; Torque to 90/110 in. lbs.)	56	*216296	1	Disc, Filter
26	202568	1	Guide, Ball	57	*33853	1	Reservoir Gasket
27	*10423	2	Ball (9/32" DIA. Steel)				
28	21278-48	1	Valve, Relief (4,800/5,300 PSI; Apply Loctite 592 [PT #905516] or equiv. & Torque to 150/170 in. lbs.)				
29	64767	1	Body, Pump				
30	421676	1	Housing, Seal & Piston (Torque to 90/100 ft. lbs. oiled)				
31	*10261	1	Washer, Copper (.75 x .60)				

Part numbers marked with an asterisk (*) are contained in Repair Kit No. 300984.

Note: Shaded areas reflect last revision(s) made to this form.

INSTRUCTIONS FOR RETAINER REPLACEMENT

Your pump's retainer is locked into place by one of the two following methods. Determine which method was used on your pump's retainer, then follow the appropriate steps to remove the old and install and stake the new.

Method 1 - Retainer shows no sign of stake marks

1. This retainer has been locked in place with a Loctite product. To replace it, a moderate amount of heat needs to be applied to the cylinder nut (in the area of the retainer) to soften the existing Loctite allowing it to be removed.
2. Install the new retainer into the cylinder nut and torque to 80/100 in. lbs. **Note: Do not use a Loctite product this time but stake the new retainer in place according to instructions in Step 3.**
3. To lock retainer into place, use a center punch positioned in the seam between the retainer and the cylinder nut and stake the new retainer in two places approximately 180° apart.

Method 2 - Retainer has two stake marks in the seam between the retainer and the cylinder nut

1. For replacement of this retainer, the stake marks must be removed. Using a 1/8" or larger diameter drill bit, remove the existing stakes by drilling a short distance into the stake marks. Remove the retainer.
2. Install the new retainer into the cylinder nut and torque to 80/100 in. lbs.
3. To lock retainer into place, use a center punch positioned in the seam between the retainer and the cylinder nut and stake the new retainer in two places approximately 180° apart.

NOTE: Do not stake in the old stake marks.

