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TECHNICAL SERVICE PARTS

STYLE 7982, 7983

PRODUCT INTAKE VALVE

ASSEMBLY NOTES:

1. USE PARKER O-LUBE ON ALL O-RINGS AND MATING SURFACES UNLESS OTHERWISE NOTED.
2. USE PERMABOND LM113 OR LOCTITE 222.
3. USE MOBILITH SHC 460.
4. DIMPLE AT ASSEMBLY.
5. ALIGN BALL IN HOLE. TIGHTEN PLUG UNTIL TOUCHES BALL. THEN BACK OUT PLUG 1/4-1/2 TURN.
6. TIGHTEN UNTIL SLIGHT DRAG IS ON ITEM 42.
7. TIGHTEN UNTIL ALL END PLAY IS ELIMINATED.
8. SHAFT ASSEMBLY MUST STILL SPIN FREELY.
9. DO NOT OVERTIGHTEN.
10. USE LOW-TEMP LUBRIPLATE.
11. USE NEVER SEEZ MARINERS CHOICE.
12. USE PRIMER T AND PERMABOND HH120 OR LOCTITE 277.
13. USE PARKER O-LUBE.
14. THOROUGHLY CLEAN THREADS OF PLUG AND MATING PART AND APPLY LOCTITE 425 AS SPECIFIED.
15. MAY BE SUPPLIED WITH STORZ FITTING WHEN SPECIFIED.
16. OPTIONAL DRAIN VALVE LOCATION, USE PERMABOND LH050 OR LOCTITE 592.
17. TIGHTEN TO 50-55 IN-LBS.
18. CLEAN EXCESS GREASE FROM THIS SURFACE.

INLET

OUTLET
TECHNICAL SERVICE PARTS
STYLE 7982, 7983
PRODUCT INTAKE VALVE

ASSEMBLY NOTES:
- Use Parker O-Lube on all O-rings and mating surfaces unless otherwise noted.
- Use Permabond LM113 or Loctite 222.
- Use Mobilith SHC 460.
- Dimple at assembly.
- Align ball in hole. Tighten plug until touches ball. Then back out plug 1/4-1/2 turn.
- Tighten until slight drag is on item.
- Align ball in hole. Tighten until all end play is eliminated. Shaft assembly must still spin freely. Do not overtighten.
- Use low-temp Lubriplate.
- Use Never Seez Mariners Choice.
- Use Primer T and Permabond HH120 or Loctite 277.
- Thoroughly clean threads of plug and mating part and apply Loctite 425 as specified.
- May be supplied with Storz fitting when specified.
- Optional drain valve location, use Permabond LH050 or Loctite 592.
- Tighten to 50-55 in-lbs.
- Clean excess grease from this surface.

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Parts List Sheet: 124912

Date | Chg.
-----|----
03/20 | 11
09/20 | 12

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IF AN ITEM IS NOTED AS "NOT FIELD REPAIRABLE", OR YOU WISH TO RETURN AN ITEM TO AKRON BRASS FOR SERVICE PLEASE GO ONLINE TO, ONLINEREPAIR.AKRONBRASS.COM
TECHNICAL SERVICE PARTS

STYLE 7982, 7983

PRODUCT INTAKE VALVE

BLEEDER VALVE

RELIEF VALVE

ASSEMBLY NOTES:

- Use Parker O-Lube on all O-rings and mating surfaces unless otherwise noted.
- Use Permabond LM113 or Loctite 222.
- Use Mobilith SHC 460.
- Dimple at assembly.
- Align ball in hole. Tighten plug until touches ball. Then back out plug 1/4-1/2 turn.
- Tighten until slight drag is on item 42.
- Tighten until all end play is eliminated.
- Shaft assembly must still spin freely.
- Do not overtighten.
- Use low-temp lubriplate.
- Use Never Seez Mariners Choice.
- Use Primer T and Permabond HH120 or Loctite 277.
- Use Parker O-Lube.
- Thoroughly clean threads of plug and mating part and apply Loctite 425 as specified.
- May be supplied with Storz fitting when specified.
- Optional drain valve location, use Permabond LH050 or Loctite 592.
- Tighten to 50-55 in-lbs.
- Clean excess grease from this surface.

TECHNICAL SERVICE PARTS

STYLE 7982, 7983

PRODUCT INTAKE VALVE

ASSEMBLY NOTES:

- Use Parker O-Lube on all O-rings and mating surfaces unless otherwise noted.
- Use Permabond LM113 or Loctite 222.
- Use Mobilith SHC 460.
- Dimple at assembly.
- Align ball in hole. Tighten plug until touches ball. Then back out plug 1/4-1/2 turn.
- Tighten until slight drag is on item 42.
- Tighten until all end play is eliminated.
- Shaft assembly must still spin freely.
- Do not overtighten.
- Use low-temp lubriplate.
- Use Never Seez Mariners Choice.
- Use Primer T and Permabond HH120 or Loctite 277.
- Use Parker O-Lube.
- Thoroughly clean threads of plug and mating part and apply Loctite 425 as specified.
- May be supplied with Storz fitting when specified.
- Optional drain valve location, use Permabond LH050 or Loctite 592.
- Tighten to 50-55 in-lbs.
- Clean excess grease from this surface.

TECHNICAL SERVICE PARTS

STYLE 7982, 7983

PRODUCT INTAKE VALVE

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- Use Parker O-Lube on all O-rings and mating surfaces unless otherwise noted.
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- May be supplied with Storz fitting when specified.
- Optional drain valve location, use Permabond LH050 or Loctite 592.
- Tighten to 50-55 in-lbs.
- Clean excess grease from this surface.
**Parts List Sheet:**

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15. OPTIONAL DRAIN VALVE LOCATION, USE PERMABOND LH050 OR LOCTITE 592.
16. TIGHTEN TO 50-55 IN-LBS.

**TECHNICAL SERVICE PARTS**

**STYLE 7982, 7983**

**PRODUCT INTAKE VALVE**

OPTIONAL MALE INLET
5" BSP TO 6" NH
5" BSP TO 6" NPSH

OPTIONAL 3", 3.5", 4", 4.5", 5"
RL & LH SWIVEL

OPTIONAL 6" STORZ

OPTIONAL INLET ADAPTERS

OPTIONAL 4" & 5" STORZ
WITH FULL TIME SWIVEL W/CAP

OPTIONAL 6" STORZ

D47460
## TECHNICAL SERVICE PARTS

### STYLE 7982, 7983

### PRODUCT INTAKE VALVE

**Parts List Sheet:** 124912

---

**Find** | **Description** | **Item** | **QTY**
---|---|---|---
1 | VALVE BODY 5.5" SWIVEL STYLE 7982 - PAINTED RED | 126483 | 1
2 | BALL ST. STL. | 803173 | 1
3 | E O-RING 2-260 | - | 1
4 | A, B BALL 1/4" ST. STL. | - | 242
5 | SWIVEL ADAPTER | 702236 | 1
6 | G, E SEAL BALL | - | 1
7 | G RETAINER RING 5-3/4" INTERNAL | 758351 | 1
8 | B PLUG SWIVEL | 104199 | 3
9 | F SWIVEL 6"NH LH | 104053 | 1
10 | F SWIVEL 5"NH RL | 110081 | 1
11 | F SWIVEL 6"NH 4RL | 104019 | 1
12 | E GASKET RUBBER 6" | - | 1
13 | E GASKET RUBBER 5" | - | 1
14 | SCREW NYLOCK SS SET 1/4-20 x 5/16" | 766015 | 3
15 | HANDWHEEL | 126485 | 1
16 | C O-RING 2-254 | 757491 | 1
17 | 30 DEGREE ELBOW - PAINTED RED | 126485 | 1
18 | STORZ ADAPTER 5" 125MM W/Lock, SEAL, GASKET | 107071 | 1
19 | STORZ ADAPTER 4" 100MM W/Lock, SEAL, GASKET | 116986 | 1
20 | C PLUNGER RETRACTABLE SPRING | 745259 | 1
21 | O-RING 2-207 | 757491 | 1
22 | TRUNNION THREADED | 772224 | 1
23 | ID PLATE | 127222 | 1
24 | SCREW SOCKET BUTTON HEAD CAP 1/4-20 x 3/8 | 767190 | 2
25 | SCREW SOCKET FLAT HEAD CAP #10-24 x 3/8 | 763065 | 2
26 | DUST CAP | 126011 | 1
27 | WASHER UHMW | 784250 | 2
28 | BEARING .50 ID | 803175 | 1

---

**Find** | **Description** | **Item** | **QTY**
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25 | GEAR | 718314 | 1
26 | WOODRUFF KEY 213 SS | 727071 | 1
27 | BEARING .75 ID | 803176 | 1
28 | SHAFT | 770404 | 1
29 | WASHER | 784251 | 4
30 | NUT HEX LOCK 3/8-16 | 734093 | 1
32 | O-RING 2-210 | 757226 | 3
33 | WASHER THRUST | 784104 | 2
34 | TRUNNION | 124919 | 1
36 | GEAR SECTOR LH | 718316 | 1
37 | CAP GEAR | 125848 | 1
38 | SCREW PAN HEAD 5/16-18 x 5/8 | 765368 | 4
39 | INDICATOR | 124916 | 1
40 | WASHER | 784252 | 1
41 | SCREW BUTTON HEAD 8-32 x 1/2" | 765370 | 1
42 | VALVE HANDLE | 124918 | 1
43 | O-RING 2-111 | 757269 | 1
44 | RETAINER SEAT | 124915 | 1
45 | BRASS WASHER | 784034 | 1
46 | SEAT | 770424 | 1
47 | SPRING WASHER | 770423 | 4
48 | SCREW HEX SOCKET BUTTON 3/8-16 x 1/2" | 767159 | 1
49 | WASHER 3/8 | 784126 | 1
50 | WASHER | 768457 | 1
51 | RELIEF PLUNGER | 124922 | 1
52 | O-RING 2-222 | 757006 | 2
53 | O-RING 2-231 | 757126 | 1
54 | SPRING | 770422 | 1
55 | RELIEF BODY | 124917 | 1
56 | RELIEF ADJUSTMENT NUT | 124911 | 1

---

**Find** | **Description** | **Item** | **QTY**
---|---|---|---
20 | SCREW BUTTON HEAD CAP 1/4-20 x 3/8 | 767190 | 2
21 | SCREW SOCKET FLAT HEAD CAP #10-24 x 3/8 | 763065 | 2
22 | DUST CAP | 126011 | 1
23 | WASHER UHMW | 784250 | 2
24 | BEARING .50 ID | 803175 | 1

---

### A: THE INLET AND OUTLET BOTH USE BALL BEARING SWIVELS.

THE QUANTITY USED IS AS FOLLOWS:

3" INLET FEMALE - 47
4" INLET FEMALE - 58
4.5" INLET FEMALE - 69
5" INLET FEMALE - 72
4" INLET STorz - 54
5" INLET STorz - 61
5" OR 6" OUTLET SWIVEL - 88

### B: LIST OF 50 BALLS: 123074, INCLUDES ITEM 8 (1x)

### C: 7982 ONLY

### D: OPTIONAL DRAFTING GASKETS FOR STORZ

FOR OTHER THREADS ORDER BY DESCRIPTION AND THREAD SIZE (IDM & TPI) OR BY AKRON THREAD CODE.

---

**Parts List Sheet:** 124912

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### TECHNICAL SERVICE PARTS
#### STYLE 7982, 7983
##### PRODUCT INTAKE VALVE

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