

PEDESTAL BRONZE ROTARY GEAR PUMPS



OBERDORFER PUMPS
A Subsidiary of Thomas Industries Inc.

MODELS
N26HDP
N26HDL
N26HDM

PIPE SIZE 2"



FEATURES

- g All Bronze Casting and Stainless Steel Shafts
- g Sealing Arrangement Interchangeable in Field with Proper Kit
- g Outboard Ball Bearing Support for Belt Drive Applications
- g Self Lubricating Carbon Bearings

SERVICE WEAR FACTORS

SPEED - High speed accelerates wear. For longer service life keep speed as low as possible. Pump speeds above 900 R.P.M. not recommended except for intermittent duty and pressures below 100 p.s.i.

PRESSURE - High pressure accelerates wear. For longer service life keep pressure as low as possible.

LIQUID TEMPERATURE - High temperature accelerates wear. Keep as close to room temperature as possible.

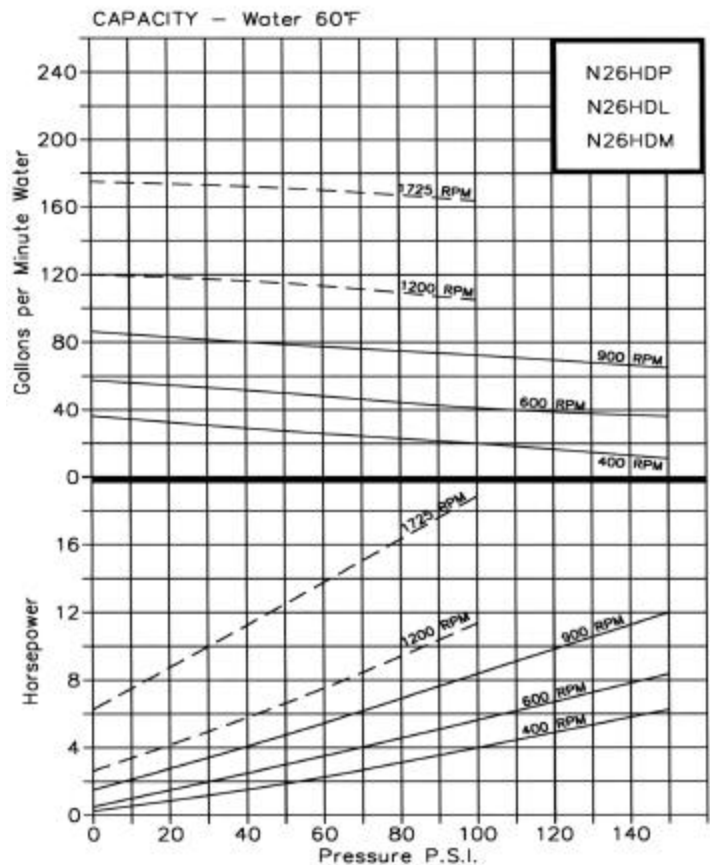
LIQUID CONTAMINATION - Impurities like fine abrasive silt or sand accelerate wear. Keep liquid as clean as possible.

LIQUID LUBRICITY - Lubricants increase service life many fold. Use lubricant additives whenever possible.

NOISE - Large gear pumps are inherently noisy due to metal to metal gear contact. Make installations far removed from office or other relatively quiet people areas. Some noise reduction can be realized by lowering pump speed and use of isolation mounts and lines, usually the small amount of noise reduction achieved does not justify the effort and expense.

DRIVE & ALIGNMENT - Direct drive is the recommended drive arrangement. This pump is suitable for belt drive applications without needing pillow block bearings to achieve acceptable pump life. Correct alignment is absolutely essential for satisfactory pump life. Recheck alignment after piping has been connected to the pump.

* Viton(R) is a registered trademark of DuPont Dow Elastomers. Viton(R) or equivalent FKM will be used.
Teflon(R)* is a registered trademark of DuPont. Teflon(R) or equivalent PTFE will be used.



Note: Dotted lines(---) recommended for intermittent duty only due to accelerated wear at high speeds and pressures.

SEAL CONVERSION KITS

Seal conversion kits illustrated (on back) are designed for quick removal and replacement. In each case, seal housings are fastened to pump bodies by means of 2 bolts, item 13.

IMPORTANT - before attempting to remove a seal housing containing seal components by sliding them off the pump shaft, be sure to unlock 2 set screws locking the ball bearing inner race to the pump shaft. The ball bearing is identified as item 20. Also, before attempting to slide the seal housing from the pump shaft, remove all burrs, scale, and projections that could be formed by fretting corrosion.

| Seal Conver. Kit No. | Pump Models | Seal Type | Materials |
|----------------------|-------------|------------|----------------------|
| 11021 | N26HDP | Packing | Acrylic-Graphite |
| 11022 | N26HDP-1 | Packing | Teflon(R)* |
| 11023 | N26HDL | Lip | Viton(R)*-Teflon(R)* |
| 11024 | N26HDLS03 | Lip | Buna |
| 11025 | N26HDM | Mechanical | Buna-Ceramic |
| 11026 | N26HDMS07 | Mechanical | Viton(R)*-Ceramic |

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PARTS LIST, DIMENSIONS & EXPLODED VIEWS

| Pump No. | 1 | 2 | 3 ¹ | 4 ¹ | 5 ¹ | 6A ¹ | 6B ¹ | 7 ¹ | 8 ¹ | 9 | 10 | 11 ¹ | 12 ¹ | 13 |
|------------|-----------|----------|----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|-----------|------------|-----------------|-----------------|---------|
| | Body Rear | Screw | Snap Ring | O-Ring | Bearing | Drive Gear | Idle Gear | Idle Shaft | Drive Shaft | Dowel Pin | Body Front | O-ring | Packing Ring | Screw |
| | 1 Req'd | 20 Req'd | 6 Req'd | 2 Req'd | 8 Req'd | 2 Req'd | 2 Req'd | 2 Req'd | 1 Req'd | 4 Req'd | 1 Req'd | 1 Req'd | 4 Req'd | 2 Req'd |
| N26HDP | 9369NN5N | 5694 | 7651 | 9797-158 | 5108 | 9854 | 9855 | 7653 | 7571 | 8597 | 9369NN7N | 6515 | 7624 | 5916 |
| N26HDP-1 | 9369NN5N | 5694 | 7651 | 9797-158 | 5108 | 9854 | 9855 | 7653 | 7571 | 8597 | 9369NN7N | 6515 | 7450 | 5916 |
| N26HDL | 9369NN5N | 5694 | 7651 | 9797-158 | 5108 | 9854 | 9855 | 7653 | 7571 | 8597 | 9369NN7N | 6515 | --- | 5916 |
| N26HDL S03 | 9369NN5N | 5694 | 7651 | 9797-158 | 5108 | 9854 | 9855 | 7653 | 7571 | 8597 | 9369NN7N | 6515 | --- | 5916 |
| N26HDM | 9369NN5N | 5694 | 7651 | 9797-158 | 5108 | 9854 | 9855 | 7653 | 7571 | 8597 | 9369NN7N | 6515 | --- | 5916 |
| 26HDM S07 | 9369NN5N | 5694 | 7651 | 9797-158 | 5108 | 9854 | 9855 | 7653 | 7571 | 8597 | 9369NN7N | 6515 | --- | 5916 |

| Pump No. | 14 | 15 | 16 | 17 | 18 ¹ | 19 | 20 | 21 ¹ | 22 ¹ | 23 | 24 | 25 ¹ | 26 | ¹ Repair Kit No. |
|------------|---------|---------|---------|--------------|-----------------|------------------------------|--------------|-----------------|-----------------|--------------|---------|-----------------|-----------|-----------------------------|
| | Nut | Gland | Screw | Seal Housing | Seal | Ring | Ball Bearing | Key | Lip Seal | Seal Housing | Ring | Seal Assembly | Tie Block | |
| | 2 Req'd | 1 Req'd | 2 Req'd | 1 Req'd | 1 Req'd | 2 Req'd (P) 1 Req'd (L&M) | 1 Req'd | 5 Req'd | 1 Req'd | 1 Req'd | 1 Req'd | 1 Req'd | 1 Req'd | |
| N26HDP | 5597 | 7451 | 6743 | 7449 | 6710 | 7372 | 7368 | 5975 | --- | --- | --- | --- | 2286 | 11015 |
| N26HDP-1 | 5597 | 7451 | 6743 | 7449 | 6710 | 7372 | 7368 | 5975 | --- | --- | --- | --- | 2286 | 11016 |
| N26HDL | --- | --- | --- | --- | --- | 7372 | 7368 | 5975 | 7262 | 7365 | --- | --- | 2286 | 11017 |
| N26HDL S03 | --- | --- | --- | --- | --- | 7372 | 7368 | 5975 | 6500 | 7365 | --- | --- | 2286 | 11018 |
| N26HDM | --- | --- | --- | --- | --- | 7372 | 7368 | 5975 | --- | 7365 | 7651 | 32315 | 2286 | 11019 |
| N26HDM S07 | --- | --- | --- | --- | --- | 7372 | 7368 | 5975 | --- | 7365 | 7651 | 32372 | 2286 | 11020 |

¹ These parts are included in the repair kit.

PACKING SEAL END (HDP)

LIP SEAL END (HDL)

MECHANICAL SEAL END (HDM)

