P 30 C 642 BE YL 20 - 25

P - Pump
M - Motor

Series Designation
ROLLER BEARING TYPE
20, 30, 50, 75, 125, 25X, 37X
DOWELED ROLLER BEARING
31, 51, 76
BUSHING BEARING
330, 350, 365

Shaft Type
A - Single Unit Integrated Shaft
B - Multiple Unit Integrated Shaft
C - Continental Shaft (Single or Multiple Unit)

Rotation/Bearing/Pump/Motor
1. - Clockwise No Outboard Bearing
2. - Counter-Clockwise No Outboard Bearing
3. - Bi-rotation No Outboard Bearing
4. - Clockwise With Outboard Bearing
5. - Counter-Clockwise With Outboard Bearing
6. - Bi-rotation With Outboard Bearing
8. - Motor Bi-rotation With Outboard Bearing
9. - Motor Bi-rotation No Outboard Bearing

Mounting Flange Type
42 - 4 Bolt SAE B Type 1
00 - Pad Mount Type 1
97 - 2 Bolt SAE B Type 1
98 - 2 Bolt SAE C Type 1
94 - 2 Bolt SAE A Type 1
78 - 4 Bolt SAE C Type 1

NOTE: Other Options Available

Shaft Code
7 - SAE C Spline 1-1/4-14 Type 1
11 - SAE C Round Keyed 1-1/4 Type 1
25 - SAE B Spline 7/8-13 Type 1
30 - SAE B Round Keyed 7/8 Type 1
20 - Round Keyed 3/4 Type 1

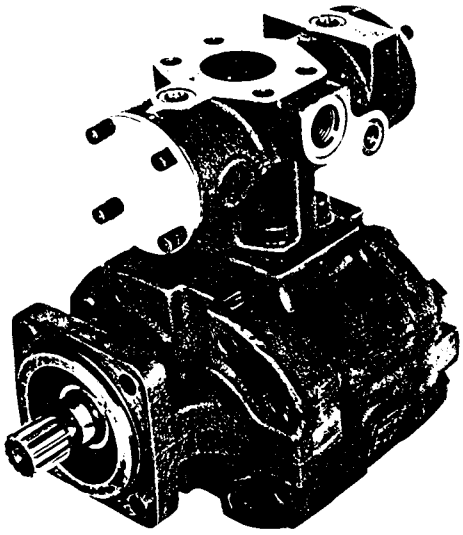
Gear Width
05 - 1/2
07 - 3/4
10 - 1
12 - 1-1/4
15 - 1-1/2
17 - 1-3/4
20 - 2
22 - 2-1/4
25 - 2-1/2
27 - 2-3/4
30 - 3

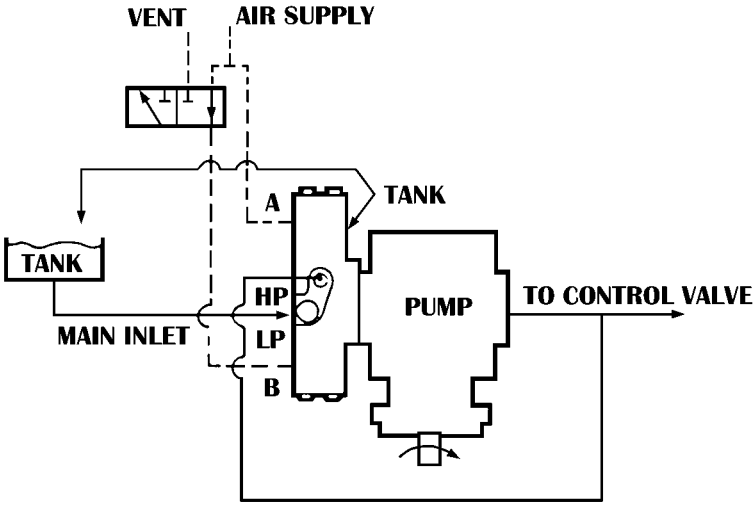
Gear Housing Port Size and Type
Specify Port Size and Type

Port End Cover
Specify Port Size and Type

®Commercial Intertech

COMMERCIAL DRY VALVE





The dry valve offers convenient remote control for refuse packer trucks and other vehicles using on/off hydraulic systems powered by their primary engine. They eliminate costly clutch assemblies. They reduce pump horsepower demand in the non-operating mode at speeds to 2100 RPM. They allow full pump displacement, up to 90 GPM, in the work mode.

The valve is operated by pneumatic pressure of 80 PSI. This pilot signal, provided by the vehicle's air system, is plumbed directly to the valve. A secondary air cylinder, commonly used to actuate other dry valve units, is not required. Opening the valve opens the inlet of the pump to tank. All fluid passing through the valve is available to the pump for work. This is unlike other dry valve units which constantly divert a portion of the outgoing fluid for pump lubrication in both operating and non-operating modes. Commercial's dry valve employs a notch in the valve spool to supply 4 GPM for pump lubrication only in the non-operating mode. It's dimple and it's efficient.

Dry valves can be fitted to 2" split flange mountings only.

For P50/P75 Pump Models - 2500 PSI
And P51/P76 Pump Models - 3000 PSI

Part Number	Our Sequence Number	Per Each
316-9414-001	J19970	**$485.46**

Qty. Disc: 2 pieces 5%, 5 pieces 7%, 10 pieces 10%

© 2006 by Baum Hydraulics Corporation

K36 **COMMERCIAL BUILD ORDER - FOR MULTIPLE UNITS USE MULTIPLE PAGES**

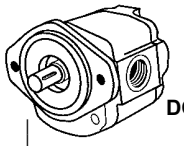
SALESMAN _____ DATE _____ INVOICE NUMBER: _____

CUSTOMER _____ PAGE ____ OF ____

TOWN _____ STATE _____ ZIP CODE _____

PHONE NO. _____ ORDERED BY _____ P/O # _____ $ _____ QUOTED PRICE

ALL MEASURMENTS BELOW DETERMINED BY HAVING THE PUMP VIEWED FACING SHAFT - BELLY DOWN AND SHAFT HIGH AS PICTURED TO THE RIGHT



UNDOWELLED		Bolts	Gear Centers	DOWELLED		Bolts	Gear Centers	UNDOWELLED		Bolts	Gear Centers	DOWELLED		Gear Bolts	Centers
☐	20	4 x 9/16	1.7500					☐	15H	4 x 1/2	1.7497	☐	315	4 x 1/2	1.4997
☐	30	4 x 5/8	1.7500	☐	31	4 x 5/8	1.7500	☐	25X	4 x 5/8	2.0000	☐	330	4 x 5/8	1.7500
☐	50	4 x 5/8	2.0000	☐	51	4 x 5/8	2.0000	☐	37X	8 x 1/2	2.4000	☐	350	4 x 5/8	2.0000
☐	75	8 x 5/8	2.4997	☐	76	8 x 5/8	2.4997					☐	365	4 x 5/8	2.2500

☐ Pump	☐ Single	☐ CW	☐ A Integrated Shaft/Gear Set
☐ Motor	☐ Double	☐ CCW	☐ B Integrated Shaft/Gear Set
☐ Flow Divider	☐ Triple	☐ Bi-Rotational	☐ C Continental 2 Piece Shaft/Gear Set
	☐ Quad		☐ All Bolts Flush
	☐ Piggyback		☐ Two Bolts Extended for Support

SAE SHAFT END COVER

	SAE Bolt	Type	Pilot Diam.	Bolt Center	Bolt Square
☐	2 Bolt A	Oval	3-1/4	4-3/16	
☐	2 Bolt B	Oval	4	5-3/4	
☐	4 Bolt B	Square	4	5	3.54
☐	2 Bolt C	Oval	5	7-1/8	
☐	4 Bolt C	Square	5	6-3/8	4.50
☐	4 Bolt D	Square	6	9	6.36

SPECIAL SHAFT END COVER

	Bolt	Type	Pilot Diam.	Bolt Center	Bolt Square
☐		Pad Mount		2 x 2	
☐	4 Bolt	Clover Leaf	2.750		2.624
☐	4 Bolt	Round	2.833	3-1/2	
☐	6 Bolt	Round	3.14	4	
☐	6 Bolt	Round	2.625	3.25	
☐	6 Bolt	Round	3.25	4.75	TC Type

PORT LOCATION

Gear Housing LH Side	Gear Housing RH Side
☐ Ported	☐ Ported
☐ Blank	☐ Blank

PORT END COVER

LH Side	RH Side
☐ Side Port	☐ Side Port
☐ Rear Port	☐ Rear Port
☐ Blank	☐ Blank

GEAR WIDTH Internal **NOT** Housing Width	**LEFT PORT SIZE** Pipe	Flange	O-Ring	**RIGHT PORT SIZE** Pipe	Flange	O-Ring
☐ 1/2	☐ 1/2	☐ 1/2	☐ 3/4	☐ 1/2	☐ 1/2	☐ 3/4
☐ 3/4	☐ 3/4	☐ 3/4	☐ 7/8	☐ 3/4	☐ 3/4	☐ 7/8
☐ 1	☐ 1	☐ 1	☐ 1-1/16	☐ 1	☐ 1	☐ 1-1/16
☐ 1-1/4	☐ 1-1/4	☐ 1-1/4	☐ 1-5/16	☐ 1-1/4	☐ 1-1/4	☐ 1-5/16
☐ 1-1/2	☐ 1-1/2	☐ 1-1/2	☐ 1-5/8	☐ 1-1/2	☐ 1-1/2	☐ 1-5/8
☐ 1-3/4	☐ 2	☐ 2	☐ 1-7/8	☐ 2	☐ 2	☐ 1-7/8
☐ 2		☐ 2-1/2			☐ 2-1/2	
☐ 2-1/4		☐ 3			☐ 3	
☐ 2-1/2						
☐ 2-3/4		☐ Blank			☐ Blank	
☐ 3						

SHAFT SIZE

☐ 5/8 Round with 1/2-20 thd	☐ 1-1/8 Round	☐ 1-1/4 x 14 Spline	☐ Other Shaft Size _____
☐ 3/4 Round	☐ 1-1/4 Round	☐ 1-3/4 x 13 Spline	
☐ 7/8 Round	☐ 1-1/4 Rd x 3 L w/ 1/2-13 thd	☐ 7/8 x 6 Spline	
☐ 7/8 Round with 5/8-18 thd	☐ 5/8 x 9 Spline	☐ 1 x 6 Spline	☐ Shaft Length from Mounting Surface
☐ 7/8 Taper 4:1	☐ 7/8 x 13 Spline	☐ 1-1/8 x 6 Spline	
☐ 1 Round	☐ 1 x 15 Spline	☐ 1-1/4 x 6 Spline	

BEARING CARRIER

BEARING CARRIER SECTION	**LEFT PORT SIZE** Pipe	Flange	O-Ring	**RIGHT PORT SIZE** Pipe	Flange	O-Ring
☐ Shaft	☐ 1/2	☐ 1/2	☐ 3/4	☐ 1/2	☐ 1/2	☐ 3/4
☐ Second	☐ 3/4	☐ 3/4	☐ 7/8	☐ 3/4	☐ 3/4	☐ 7/8
☐ Third	☐ 1	☐ 1	☐ 1-1/16	☐ 1	☐ 1	☐ 1-1/16
☐ Fourth	☐ 1-1/4	☐ 1-1/4	☐ 1-5/16	☐ 1-1/4	☐ 1-1/4	☐ 1-5/16
	☐ 1-1/2	☐ 1-1/2	☐ 1-5/8	☐ 1-1/2	☐ 1-1/2	☐ 1-5/8
	☐ 2	☐ 2	☐ 1-7/8	☐ 2	☐ 2	☐ 1-7/8
		☐ 2-1/2			☐ 2-1/2	
☐ With Drill Thru		☐ 3		☐ W/ Drill Thru	☐ 3	
☐ With Drain Hole				☐ With Drain Hole		
☐ With 1/2” Hole for Front Section				☐ With 1/2” Hole for Front Section		
☐ With 1/2” Hole for Rear Section				☐ With 1/2” Hole for Rear Section		
		☐ Blank - No Port			☐ Blank - No Port	

© 2006 by Baum Hydraulics Corporation