PD 3551 Effective 511198

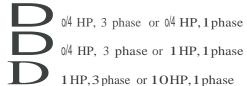
# **MAXROY B PUMPS**

#### **KEY SPECIFICATION FEATURES**

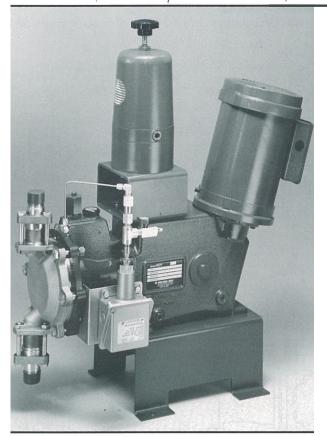
- Steady State Accuracy of  $\pm 1.0\%$  when operating between 10 and 100% of full range.
- Hydraulically actuated diaphragm.
- Long-life rugged construction, cast iron gear box housing.
- Compact size.
- High precision balls and seats for reliable sealing.
- Manual or automatic flow control, adjustable while running or stopped.
- PTFE coated diaphragm with integral 0-ring.
- Superior liquid end design does not require a flow restricting contour plate.
- All mechanical components operate in an oil bath.
- Integral air bleed system.
- Double ball checks available upon request.

#### TYPICAL PERFORMANCE

GPH at Max.Stroke Setting & 1725 RPM Motor Speed						
SPM	Gear Ratio Code	50 PSIG	75 PSIG	100 PSIG	125 PSIG	150 PSIG
86	8	140	138	137	136	135
120	6	195	193	192	191	190
144	4	232	231	230	228	226



## MAXROY B (Shown with optional Leak Detection)



#### **MODEL NOMENCLATURE**

GJ - GJ - [J]

(

Drive Gear Ratio

4 = 12:1 (144 SPM) 6 = 15:1 (120 SPM)

8 = 20:1 (86 SPM)

Drive

-T

Diaphragm Size L = 145mm N = 145mm double Diaphragm with Leak detector Q

Liquid End

Suction Check Valve (see table)

Materials of Construction

1 = Stainless Steel

2 = Plastic 5 = Alloy 20 Discharge Check Valve (see table)

Code	Description	Metal (3)	Plastic (3)
A	1" Ansi Fig. Vert.	150# RF	150# FF
D(2)	1'' – 11 ½ NPT Vert.	Male	Male
G	1" Ansi Fig.Horiz.	150# RF	Not Std.

#### **NOTES**

 $(1) When\ applying\ a\ diaphragm\ rupture\ detection\ system,\ derate\ capacity\ by\ 5\%.$ 

Stroke Adjust

M = Manual

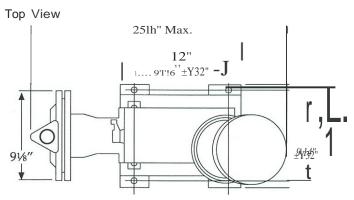
E = Electronic

- (2) Check Valve Selection code "D" is standard.
- (3)1" single ball is standard, except plastic discharge valve has spring loaded double ball.

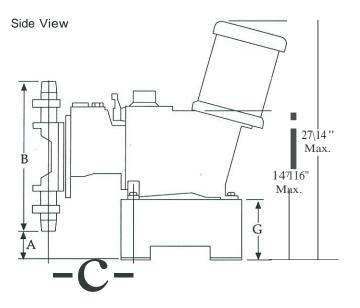


#### **DIMENSIONS**

Estimated shipping weight is 165lbs. Unitis shipped with detachable base to facilitate installation.



	Dimensions			
Model Number				
	A	В	c	D
YB1 OA-L1AA	2-5/8	15-7/16	8-3/8	6
YB1OA-L5AA	2-5/8	15-7/16	8-3/8	6
YB1OA-L2AA	3-5/16	23	8-5/16	10-1/2
YB1OA-LIDD	2-13/16	15-1116	8-3/8	6
YB1OA-L2DD	3-13/16	20-	8-5/16	6
		13/16		
YB1OA-L5DD	2-3/16	15-1/16	8-3/8	6
YB1OA – L1GG	6-5/16	17-1/16	8-3/8	10-1/2
YB1OA-L5GG	6-5/16	17-1/16	8-3/8	10/1/2



### MATERIALS OF CONSTRUCTION

Materials Group	Diaphragm Head	BaD Guide	Seats	BaD Checks	Diaphragm
Stainless Steel	316 SS	316 <b>SS</b>	316 SS	316 SS	PTFE
Plastic	PVC	PVC	UHMW Polyethylene	Ceramic	PTFE
Alloy 20	Alloy 20	Al )"}_(l	Alloy 20	Alloy20	PTFE

 $All information\ contained\ here in\ subject\ to\ change\ without notice.$