

Brass-Headed Diaphragm Pumps

Externally Manifolderd



9910-DBS110
9910-DBS140



9910-DBS160
9910-DBS200

FEATURES & BENEFITS:

- The double-manifold design makes maintenance and repair simple. Valve and o-ring inspection are made easy by removing a few Allen head bolts. (Only DBS series pumps have this feature.)
- Innovative external manifold design allows for easy replacement, when required. (Competitive units require replacement of the entire pump body when the manifold wears out.)
- Die-cast aluminum pump body is stronger and lighter than competitive sand-cast designs.
- Heavy-duty mounting brackets are rigidly fixed to the frame to better absorb axial thrust loads.
- Oversized shaft bearings and connecting rod bearings result in a longer life under heavy loads.
- The DBS140 achieves 37 gpm with a three-diaphragm design. Competitive models in this range require 4 diaphragms to achieve the same flow.
- Large oil reservoir passages in the crankcase allow easier oil filling.
- The double manifold features a drain plug to protect your pump against freezing.

Brass-Headed Diaphragm Pumps

SPECIFICATIONS

Models and Performance Information

9910-DBS110

Diaphragms: 3
 Max. Flow: 29.2 GPM
 Max. Pressure: 725 PSI
 Max. Speed: 550 RPM
 Ports: 1½" hose barb inlet
 ¾" NPT outlet
 Weight: 114 lbs.

9910-DBS160

Diaphragms: 4
 Max. Flow: 39.0 GPM
 Max. Pressure: 725 PSI
 Max. Speed: 550 RPM
 Ports: 1½" hose barb inlet
 ¾" NPT outlet
 Weight: 143 lbs.

9910-DBS140

Diaphragms: 3
 Max. Flow: 37.2 GPM
 Max. Pressure: 725 PSI
 Max. Speed: 550 RPM
 Ports: 1½" hose barb inlet
 ¾" NPT outlet
 Weight: 114 lbs.

9910-DBS200

Diaphragms: 4
 Max. Flow: 49.0 GPM
 Max. Pressure: 725 PSI
 Max. Speed: 550 RPM
 Ports: 1½" hose barb inlet
 ¾" NPT outlet
 Weight: 143 lbs.

Series DBS110

PSI	350 RPM		450 RPM		550 RPM	
	GPM	HP	GPM	HP	GPM	HP
220	18.7	2.9	24.1	3.7	29.2	4.5
435	18.5	5.2	24.0	6.5	28.9	8.3
580	17.4	6.9	23.6	8.7	28.6	10.7
725	18.2	8.4	23.4	10.7	28.5	13.1

Bar	350 RPM		450 RPM		550 RPM	
	LPM	KW	LPM	KW	LPM	KW
15	70.7	2.2	91.4	2.8	110.6	3.3
30	69.9	3.9	90.7	4.9	109.4	6.2
40	69.5	5.1	89.3	6.5	108.2	8.0
50	68.7	6.3	88.5	8.0	108.0	9.8

Series DBS140

PSI	350 RPM		450 RPM		550 RPM	
	GPM	HP	GPM	HP	GPM	HP
220	24.1	3.5	33.1	5.0	37.2	5.6
435	23.7	6.5	32.5	9.3	36.7	10.3
580	23.5	8.5	32.1	12.0	36.3	13.3
725	23.3	10.5	31.8	14.7	36.2	16.3

Bar	350 RPM		450 RPM		550 RPM	
	LPM	KW	LPM	KW	LPM	KW
15	91.1	2.6	125.3	3.8	140.9	4.2
30	89.9	4.9	123.1	6.9	138.7	7.6
40	89.1	6.4	121.5	8.9	137.6	9.9
50	88.1	7.8	120.4	11.0	137.0	12.2

Series DBS160

PSI	350 RPM		450 RPM		550 RPM	
	GPM	HP	GPM	HP	GPM	HP
220	24.9	3.7	32.0	4.8	39.0	5.9
435	24.6	6.9	31.8	8.9	38.4	10.8
580	24.4	8.9	31.4	11.5	38.3	14.1
725	24.1	10.9	31.2	14.0	38.1	17.3

Bar	350 RPM		450 RPM		550 RPM	
	LPM	KW	LPM	KW	LPM	KW
15	94.1	2.8	121.3	3.6	147.9	4.4
30	93.0	5.1	120.5	6.6	145.3	8.1
40	92.4	6.7	118.9	8.6	144.9	10.6
50	91.4	8.1	118.2	10.4	144.2	12.9

Series DBS200

PSI	350 RPM		450 RPM		550 RPM	
	GPM	HP	GPM	HP	GPM	HP
220	31.9	4.7	40.9	6.1	49.0	7.6
435	31.3	8.8	40.3	11.4	48.6	13.9
580	31.2	11.4	39.9	14.7	48.2	18.0
725	31.0	14.0	39.7	18.1	48.1	22.2

Bar	350 RPM		450 RPM		550 RPM	
	LPM	KW	LPM	KW	LPM	KW
15	120.8	3.5	154.8	5.7	185.4	5.7
30	118.4	6.5	152.6	8.5	183.9	10.4
40	118.2	8.5	151.1	11.0	182.5	13.4
50	117.2	10.5	150.5	13.5	182.1	16.5



A WICOR COMPANY

SPRAY GROUP

375 Fifth Avenue NW • New Brighton, MN 55112-3288
 Phone: (651) 766-6300 • 800-424-9776 • Fax: 800-323-6496

www.hypropumps.com