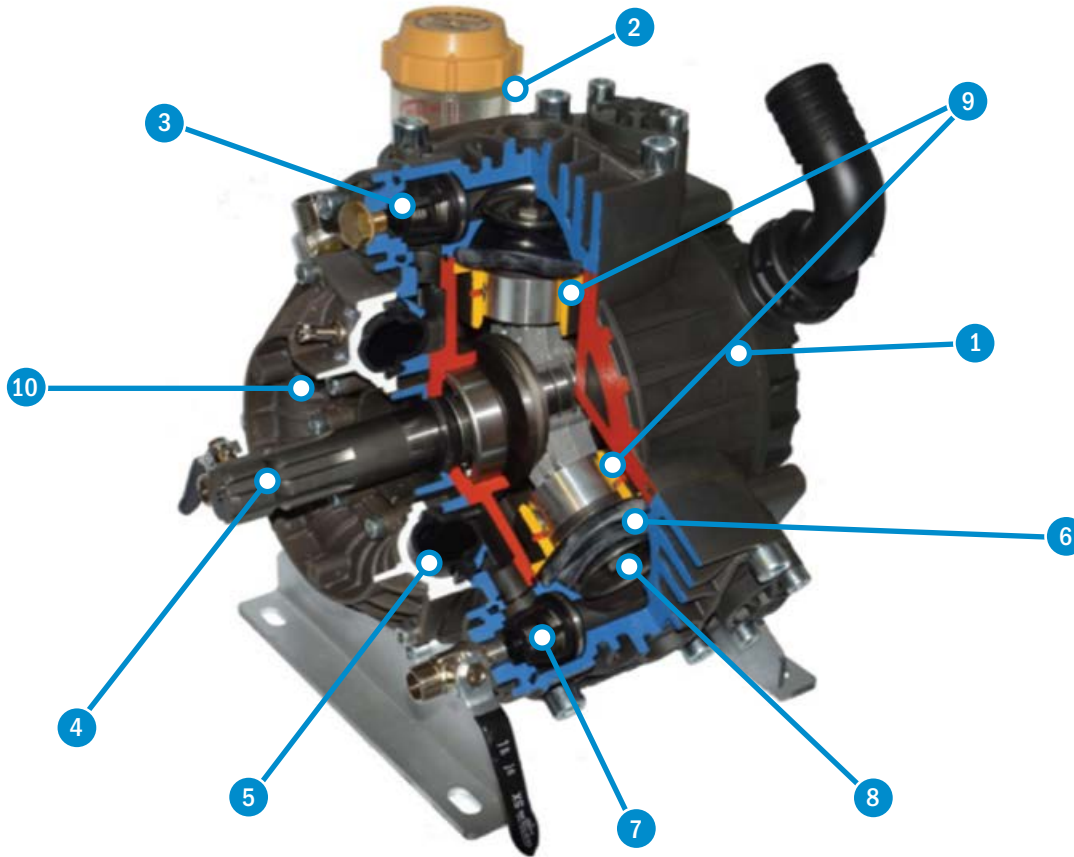


## HIGH PRESSURE DIAPHRAGM PUMP FEATURES



1. Oversized, separate suction and pressure circuits create a smooth flow of the liquid product with no pressure loss.
2. Convenient visual oil tank fitted with matched diaphragm to ensure correct oil level.
3. Check valves can be serviced easily, minimum maintenance.
4. Crankshaft stroke reduced, which increases diaphragm life because diaphragms are not stressed.
5. Unique pulsation damper system provides dampening on 32 circuits instead of one, which reduces vibrations and allows for smoother operation.
6. Four diaphragm material options are available, contact factory.
7. Special check valve design: unique spherical shaped poppet and conical seat made of 316 stainless steel, delivering high volumetric efficiencies.
8. Pre-set diaphragm bolt and diaphragm washer are made from 316 stainless steel. This exclusive feature ensures chemical resistance and longer life of the pump.
9. Two piston rings for each piston, this exclusive design increases diaphragm efficiency.
10. Parts in contact with chemical products are constructed with die-cast aluminum, covered with special corrosion proof treatment.



## DP-291.1 (REPLACES DP-291)

Maximum Flow: 29.1 GPM @ 29 PSI	Suction Hose Diameter: 1 1/2" Hose
Maximum Pressure: 725 PSI	Discharge Hose Diameter: 3/4" NPT
Maximum Speed: 550 RPM	Max Temperature: 140°F
Maximum Power: 14	Lubricating Oil Type: 30 SAE
Weight: 56 lbs.	Through shaft with 1 3/8" spline both ends.
Diaphragms: 3	

### Recommended Accessories:

- Pressure regulator: SC-1480-3

### Optional Models:

**DP-291.1-GRI** Includes gearbox for 1" shaft engines and SC-1480-3 regulator

DP-291.1 Performance - RPM								
Pressure	400		450		500		550	
	GPM	HP	GPM	HP	GPM	HP	GPM	HP
29	21.1	0.4	23.8	0.5	26.4	0.5	29.1	0.6
290	20.9	4.1	23.5	4.7	26.1	5.2	28.7	5.7
580	20.6	8.2	23.2	9.2	25.7	10.2	28.3	11.2
725	20.4	10.1	22.9	11.4	25.5	12.6	28	13.9



## DP-407.2

Maximum Flow: 40.7 GPM	Suction Hose Diameter: 1 1/2" Hose
Maximum Pressure: 725 PSI	Discharge Hose Diameter: 3/4" NPT
Maximum Speed: 550 RPM	Max Temperature: 140°F
Maximum Power: 20.1 HP	Lubricating Oil Type: 30 SAE
Weight: 79 lbs.	Through shaft with 1 3/8" spline both ends.
Diaphragms: 4	

### Recommended Accessories:

- Pressure regulators: SC-1480-3 and SC-1580-1

### Optional Models:

**DP-407.2-GRI** Includes gearbox for 1" shaft engines and SC-1580-1 regulator

**DP-407.2-VP** Has 35mm input shaft for use with DP-321054 gearbox reduction kit

DP-407.2 Performance - RPM								
Pressure	400		450		500		550	
	GPM	HP	GPM	HP	GPM	HP	GPM	HP
29	29.6	0.6	33.3	0.7	37.0	0.7	40.7	0.8
290	28.8	5.7	32.4	6.4	36.0	7.2	39.6	7.9
580	28.4	11.3	32.0	12.7	35.5	14.1	39.1	15.5
725	28.2	14.0	31.8	15.8	35.3	17.5	38.8	19.3