

# Low Pressure, 6 Diaphragm

## Model 9910-D250



- Max. fluid temperature: 140°F/60°C
- Port sizes: 2" inlet, 1-1/2" outlet, hose barb
- Diaphragms: 6, semi-hydraulic, Desmopan® standard, Buna available
- Housing components for liquid handling: epoxy-coated
- Mounting base: included
- Pump shaft rotation: CW and CCW
- For hydraulic drive adaption, see page 82.
- Recommended control unit: 3300-0082, see page 84.
- Weight: 92 lbs./41.7 kg

| Pressure<br>in PSI<br>and BAR | GPM      |      | HP       |      | GPM      |      | HP       |       | GPM      |       | HP  |    |
|-------------------------------|----------|------|----------|------|----------|------|----------|-------|----------|-------|-----|----|
|                               | LPM      | HP   | LPM      | HP   | LPM      | HP   | LPM      | HP    | LPM      | HP    | LPM | HP |
|                               | @350 RPM |      | @400 RPM |      | @450 RPM |      | @500 RPM |       | @550 RPM |       |     |    |
| 0 PSI                         | 42.7     | 0.71 | 48.3     | 0.90 | 54.3     | 1.22 | 59.8     | 1.60  | 65.7     | 2.01  |     |    |
| 0 BAR                         | 161.2    | 0.71 | 182.5    | 0.90 | 204.8    | 1.22 | 225.7    | 1.60  | 248.1    | 2.01  |     |    |
| 72 PSI                        | 41.4     | 2.33 | 47.2     | 2.73 | 52.7     | 3.10 | 58.1     | 3.45  | 63.3     | 3.88  |     |    |
| 5 BAR                         | 156.1    | 2.33 | 178.2    | 2.73 | 198.9    | 3.10 | 219.4    | 3.45  | 239.0    | 3.88  |     |    |
| 145 PSI                       | 40.1     | 4.09 | 45.9     | 4.73 | 52.1     | 5.27 | 56.6     | 6.02  | 61.3     | 6.45  |     |    |
| 10 BAR                        | 151.4    | 4.09 | 173.1    | 4.73 | 196.4    | 5.27 | 213.8    | 6.02  | 231.2    | 6.45  |     |    |
| 217 PSI                       | 39.3     | 5.70 | 45.1     | 6.58 | 50.7     | 7.45 | 55.5     | 8.32  | 60.2     | 9.22  |     |    |
| 15 BAR                        | 148.5    | 5.70 | 170.0    | 6.58 | 191.5    | 7.45 | 209.5    | 8.32  | 227.1    | 9.22  |     |    |
| 290 PSI                       | 38.8     | 7.52 | 44.5     | 8.45 | 50.1     | 9.66 | 54.8     | 10.89 | 59.2     | 11.54 |     |    |
| 20 BAR                        | 146.4    | 7.52 | 167.9    | 8.45 | 189.0    | 9.66 | 206.9    | 10.89 | 223.4    | 11.54 |     |    |

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.

### Order Information

| Model Number | Max GPM | Max LPM | Max PSI | Max BAR | Max RPM | Shaft Output                  |
|--------------|---------|---------|---------|---------|---------|-------------------------------|
| 9910-D250    | 65.7    | 248.7   | 290     | 20      | 550     | 1-3/8" - 6 splined male shaft |

# Medium Pressure, 2 Diaphragm

## Model 9910-D252, D252GRGI, D252GRGI58 and D252GRGIAP



- Max. fluid temperature: 140°F/60°C
- Diaphragms: 2, semi-hydraulic, Desmopan® standard, Buna available
- Housing: anodized aluminum
- Mounting base: included
- Recommended control unit: 9910-KIT1990, see page 83.
- Weight: 14 lbs./6.4 kg (GRGI models); 12 lbs./5.4 kg (D252)

| Pressure<br>in PSI<br>and BAR | GPM      |      | HP       |      | GPM      |      | HP       |      | GPM      |      | HP  |    |
|-------------------------------|----------|------|----------|------|----------|------|----------|------|----------|------|-----|----|
|                               | LPM      | HP   | LPM      | HP   | LPM      | HP   | LPM      | HP   | LPM      | HP   | LPM | HP |
|                               | @450 RPM |      | @500 RPM |      | @550 RPM |      | @600 RPM |      | @650 RPM |      |     |    |
| 0 PSI                         | 4.8      | 0.15 | 5.4      | 0.19 | 5.9      | 0.23 | 6.1      | 0.25 | 6.5      | 0.27 |     |    |
| 0 BAR                         | 18.0     | 0.15 | 20.5     | 0.19 | 22.4     | 0.23 | 23.1     | 0.25 | 24.6     | 0.27 |     |    |
| 72 PSI                        | 4.1      | 0.33 | 4.6      | 0.37 | 5.0      | 0.42 | 5.5      | 0.45 | 5.9      | 0.46 |     |    |
| 5 BAR                         | 15.3     | 0.33 | 17.3     | 0.37 | 18.7     | 0.42 | 20.8     | 0.45 | 22.2     | 0.46 |     |    |
| 145 PSI                       | 4.0      | 0.49 | 4.4      | 0.57 | 4.8      | 0.64 | 5.3      | 0.65 | 5.6      | 0.72 |     |    |
| 10 BAR                        | 14.9     | 0.49 | 16.6     | 0.57 | 18.1     | 0.64 | 19.8     | 0.65 | 21.3     | 0.72 |     |    |
| 217 PSI                       | 3.9      | 0.66 | 4.3      | 0.76 | 4.7      | 0.82 | 5.2      | 0.89 | 5.5      | 0.97 |     |    |
| 15 BAR                        | 14.7     | 0.66 | 16.4     | 0.76 | 17.9     | 0.82 | 19.6     | 0.89 | 20.9     | 0.97 |     |    |
| 290 PSI                       | 3.8      | 0.84 | 4.2      | 0.94 | 4.6      | 1.02 | 5.1      | 1.12 | 5.4      | 1.21 |     |    |
| 20 BAR                        | 14.5     | 0.84 | 16.0     | 0.94 | 17.4     | 1.02 | 19.4     | 1.12 | 20.5     | 1.21 |     |    |

All HP requirements listed in the table are electrical. For approximate gasoline equivalent, multiply by 1.3.  
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### Order Information

| Model Number    | Max GPM | Max LPM | Max PSI | Max BAR | Max RPM | Port Size                     | Shaft Output   |
|-----------------|---------|---------|---------|---------|---------|-------------------------------|--|
| 9910-D252       | 6.5     | 24.6    | 290     | 20      | 650     | 3/4" HB inlet, 1/2" HB outlet | 3/4" solid keyed shaft                               |
| 9910-D252GRGI   | 6.5     | 24.6    | 290     | 20      | 3600    | 3/4" HB inlet, 3/8" HB outlet | 3/4" hollow shaft                                    |
| 9910-D252GRGI58 | 5.5     | 20.8    | 290     | 20      | 3600    | 3/4" HB inlet, 3/8" HB outlet | 5/8" hollow shaft                                    |
| 9910-D252GRGIAP | 6.5     | 24.6    | 290     | 20      | 3600    | 3/4" HB inlet, 3/8" HB outlet | 3/4" hollow input shaft with 5/8" output solid shaft |