



## AIR COMPRESSORS • VACUUM PUMPS

# Rocking Piston

The outstanding performance and flexibility of Gast oilless Rocking Piston air compressors and vacuum pumps, available in standard, twin, and miniature styles, make them the perfect choice for hundreds of applications. Air flow capabilities from 3.4 lpm to 5.5 cfm (9,35 m<sup>3</sup>/h) are available as are vacuum capabilities up to 29 in. Hg (31 mbar) and pressure to 175 psig (12 bar). Choose from dual frequency, shaded pole, and permanent split capacitor (psc) electric motors with AC multi-voltages available for worldwide applications as well as 6, 12, and 24 volt DC models in brush and brushless types. Horsepowers range from 1/20 to 1/2 HP (0,04 to 0,37 kW). Tank models and a complete line of recommended accessories are also available.

### Performance

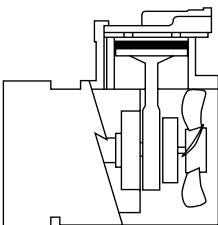
- Pressure to 175 psig (12 bar)
- Vacuum to 29" Hg (31 mbar)
- Air flow to 5.5 cfm (9,35 m<sup>3</sup>/h)

### Features

- Quiet
- Oilless
- Durable
- Lightweight
- Rugged Construction
- Field Service Capability
- Corrosion Resistant Models Available

### Typical Applications

- Oxygen Concentrators
- Beverage Dispensing
- Body Fluid Analysis
- Automotive Suspension
- Dental Vacuum Ovens
- Vacuum Frames
- Core Drilling



Another reciprocating concept mounts a flexible cup at the top of the connecting rod and creates vacuum or pressure as the cup maintains a seal against the cylinder walls in a rocking motion.



| MODEL/<br>SERIES | POWER RATING<br>@ 60 Hz |      | FREE AIR FLOW |         |                   |         | MAXIMUM<br>PRESSURE |      | MAXIMUM<br>VACUUM |      |
|------------------|-------------------------|------|---------------|---------|-------------------|---------|---------------------|------|-------------------|------|
|                  |                         |      | cfm           |         | m <sup>3</sup> /h |         |                     |      |                   |      |
|                  | hp                      | kW   | 50 Hz         | 60 Hz   | 50 Hz             | 60 Hz   | psi                 | bar  | " Hg              | mbar |
| 8R (DC)          | —                       | —    | 3.4 lpm       |         | 3.4 lpm           |         | 22.5                | 1,55 | 17                | 438  |
| 8R (AC)          | —                       | —    | —             | 3.2 lpm | —                 | 3.2 lpm | 21                  | 1,4  | 16                | 471  |
| 55R (PSC•)       | 1/20                    | 0,04 | .16           | .20     | 0,27              | 0,34    | 30                  | 2,1  | 24                | 200  |
| 55R (DC)         | 1/10                    | 0,07 | .25           |         | 0,42              |         | 30                  | 2,1  | 24                | 200  |
| LOA (ShP••)      | 1/16                    | 0,05 | —             | .38     | —                 | 0,65    | 90                  | 6,2  | 25                | 167  |
| LOA (PSC•)       | 1/6                     | 0,12 | .52           | .64     | 0,88              | 1,09    | 100                 | 7,0  | 26                | 133  |
| LOA (DC)         | 1/10                    | 0,07 | .62           |         | 1,05              |         | 100                 | 7,0  | 27                | 99   |
| LAA              | 1/6                     | 0,12 | 1,28          | 1,52    | 2,17              | 2,58    | 50                  | 3,5  | 29                | 31   |
| SOA              | 1/6                     | 0,12 | 1,4           | 1,7     | 2,38              | 2,89    | 30                  | 2,1  | 27,5              | 82   |
| SAA              | 1/6                     | 0,12 | —             | 1,75    | —                 | 3,00    | —                   | —    | 29,5              | 15   |
| SAA              | 1/6                     | 0,12 | —             | 3,30    | —                 | 5,60    | —                   | —    | 27                | 99   |
| SAA              | 1/6                     | 0,12 | —             | 1,95    | —                 | 3,31    | 30                  | 2,1  | —                 | —    |
| ROA (ShP••)      | 1/8                     | 0,09 | 1,05          | 1,25    | 1,78              | 2,12    | 100                 | 7,0  | 26                | 133  |
| ROA (PSC•)       | 1/4                     | 0,19 | 1,50          | 1,60    | 2,55              | 2,72    | 100                 | 7,0  | 27                | 99   |
| ROA (DC)         | 1/8                     | 0,09 | 1,50          |         | 2,55              |         | —                   | —    | 26                | 133  |
| RAA              | 1/4                     | 0,19 | 2,5           | 2,7     | 4,25              | 4,59    | 100                 | 7,0  | 27,5              | 82   |
| 71R/72R (1 Cyl.) | 1/3                     | 0,25 | 2,1           | 2,4     | 3,57              | 4,07    | 100                 | 7,0  | —                 | —    |
| 71R/72R (2 Cyl.) | 1/3                     | 0,25 | 5,5           | 5,5     | 9,35              | 9,35    | 25                  | 1,7  | 29                | 31   |
| 71R (2 Cyl.)     | 1/2                     | 0,37 | 1,7           | 2,0     | 2,89              | 3,4     | 175                 | 12   | —                 | —    |
| 74R              | 1/4                     | 0,19 | 1,30          | 1,50    | 2,21              | 2,55    | 100                 | 7,0  | —                 | —    |
| 75R              | 1/3                     | 0,25 | 4,5           | 5,1     | 7,65              | 8,67    | 40                  | 2,8  | 27                | 99   |

•PSC – Permanent Split Capacitor motor  
••ShP – Shaded Pole motor