



## Oil-less Reciprocating Piston Compressor Systems

*Simplex and Duplex Tankmount Configurations*



OTS - Simplex Systems				
Model	SCFM @ 100 PSIG*	HP	Phase	Tank (Gal.)
OTS110	3.0	1	1	30/60
OTS010	3.0	1	3	30/60
OTS115	4.2	1.5	1	30/60
OTS015	4.2	1.5	3	30/60
OTS120	7.2	2	1	60
OTS020	7.2	2	3	60
OTS130	10.1	3	1	80
OTS030	10.1	3	3	80
OTS151	18.2	5	1	80/120
OTS050	18.2	5	3	80/120
OTS075	28.4	7.5	3	80/120
OTS100	35.4	10	3	120
OTS150	45.2	15	3	120

OTD - Duplex Systems				
Model	SCFM @ 100 PSIG*	HP	Phase	Tank (Gal.)
OTD110	6.0	1 (2)	1	30/80
OTD010	6.0	1 (2)	3	30/80
OTD115	8.4	1.5 (2)	1	80
OTD015	8.4	1.5 (2)	3	80
OTD120	14.4	2 (2)	1	80
OTD020	14.4	2 (2)	3	80
OTD130	20.2	3 (2)	1	80/120
OTD030	20.2	3 (2)	3	80/120
OTD151	36.4	5 (2)	1	120
OTD050	36.4	5 (2)	3	120
OTD075	56.8	7.5 (2)	3	240
OTD100	70.8	10 (2)	3	240
OTD150	90.4	15 (2)	3	240

### ABOUT

Our simplex and duplex reciprocating piston tank mounted systems are perfect for any application where clean dry air is required. The self-lubricating composite piston technology – standard on our reciprocating compressors – increases ring life and reduces temperature providing reliability for years to come. The dual cooling pistons reduce operating temperatures and the corrosion resistant components and coatings extend ring and valve life.

#### KEY BENEFITS

- Low annual maintenance cost
- Easy installation
- Low operating temperatures
- UL listed control panel
- Low noise level
- 462 (L) (2) certified

#### MAJOR OIL-FREE APPLICATIONS

- Food processing
- Environmental
- Gas generation
- Pharmaceutical
- Petrochemical
- Laboratories
- Instrumentation
- Chemical processing
- Manufacturing

#### OPTIONS FOR ALL MODELS

- Premium warranty
- Refrigerated or desiccant air dryer
- Electric tank drain
- Electrical disconnect
- NEMA 4, 12 enclosures
- Air-cooled aftercooler
- Isolation pads
- Slide base for each motor

# THE POWEREX OIL-LESS ADVANTAGE

## BENEFITS OF AN OIL-LESS COMPRESSOR

- Extremely reliable.
- 100% oil free system.
- No contamination of product.
- No contamination of powered equipment.
- More environmentally friendly.
- Less filtration required.
- Less maintenance – no oil changes needed!
- No oil water separators needed.

## DISADVANTAGES OF AN OIL-FLOODED COMPRESSOR

- Potential oil contamination of product.
- Potential oil contamination of powered equipment.
- Low-quality “oil free” compressors can damage equipment.
- Potential oil contamination of environment.
- Require additional activated carbon filters.
- Higher level of maintenance – oil changes and filter maintenance required.

## OIL-LESS RECIPROCATING PISTON TECHNOLOGY



Our oil-less reciprocating compressors are single stage (1 through 3 HP) and two stage (5 through 15 HP). These oil-less reciprocating piston compressors are used on our industrial reciprocating package systems and our industrial reciprocating tankmount duplex systems. Features and benefits include:

- No oil anywhere.
- Composite piston reduces bearing heat.
- Dual cooling flywheel and fan.
- Corrosion resistant coating extends valve and ring life.
- NFPA 99 compliant.

### Engineering Specifications

Model	HP	Max. PSIG	SCFM @ 100 PSIG	RPM @ 100 PSIG	# Cylinders	Bore	Stroke	Flywheel Outer Diameter	Drive	Unit Weight (lb.s)*
OPS010	1 1.5	145	3.0 4.2	620 885	1	2.56	2.56	11.2	1GR-A	24
OPS030	2 3	145	7.2 10.1	845 1,115	2	2.56	2.36	13.8	1GR-B	46
OPS050	5	145	18.2	860	2	4.13 x 2.95	3.35	16.9	2GR-B	97
OPT100	7.5 10	145	28.4 35.4	855 1,090	3	3.54 x 2.95	3.35	18.3	2GR-B	138
OPT150	15	145	45.2	1,140	3	4.13 x 2.95	3.35	19.6	2GR-B	141

\* Pump weights are approximate. Actual weights may vary.

For more information, contact your local Powerex distributor or Powerex sales representative today!



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