

# OL SERIES

OIL-LESS AIR COMPRESSORS FOR CRITICAL APPLICATIONS

**TANK AND  
BASE MOUNTED**

**5-15HP**

The FS-Curtis OL Series is the ideal reciprocating oil-less air compressor for applications where critical air quality is required such as food and beverage, medical, chemical processing, pharmaceutical, electronics, and more.

## FEATURES AND BENEFITS

5-15HP

### OIL-LESS AIR QUALITY

- 100% dry crankcase provides oil-less compressed air for critical applications with zero oil carryover
- Over-sized fan and multiple inter-stage cooling pipes to maximize heat transfer for lower discharge temperature
- Environmentally friendly with no oil vapor generated by the compressor. Eliminates oil changes and oil disposal costs
- Protects downstream equipment and reduces maintenance cost
- Decreases costs and reduces system pressure loss due to reduction of air filtration equipment in the compressed air system

### RELIABILITY FOR YOUR CRITICAL APPLICATION

- Low speed pump for long-term reliability and efficiency
- 100% duty cycle for continuous operation
- Robust cast-iron crankcase, cylinder, and cylinder head for long-lasting performance

### INDUSTRY LEADING PERFORMANCE

- Components have been made to the highest quality and precision to provide maximum performance in the most demanding of applications
- Designed for low noise level
- Precision manufactured valves increase air flow and maximize reliability



MODEL: OL7.5 SIMPLEX

## STANDARD FEATURES

- Cast iron crankcase (dry air chamber)
- Sealed pre-greased bearings
- Aluminum piston
- Self-lubricated guide rings and compression rings (material and coating)
- Precision-machined valves (requires no lubrication)
- Dynamically balanced ductile iron crankshaft
- Cast aluminum high tensile strength connecting rod
- Air cooled inter-cooler
- Balanced flywheel
- Intake filter with silencer
- NEMA-designed electric motor
- Slow V-belt drive
- Magnetic starter (Simplex) / Alternate panel (Duplex)
- UL pressure switch
- OSHA approved belt guard
- ASME safety relief valve
- ASME air service valve
- Air pressure gauge
- Copper discharge pipe
- Manual tank drain valve (tank mounted)
- Horizontal ASME tank (tank mounted)
- Isolation pads (shipped loose)

### SIMPLEX TANK-MOUNTED

MODELS	HP	TANK SIZE	PUMP	NO. OF CYL	CFM @ 100 PSI	DIMENSIONS (In.)			WEIGHT (Lbs.)	CONNECTION (NPT)
						L	W	H		
OL5	5	120	VW-50	2	12.3	73.5	29.0	51.5	680	3/4"
OL7.5	7.5	120	TW-75	3	23.1	72.3	30.0	60.0	895	3/4"
OL10	10	120	TW-100	3	35.6	73.4	30.0	62.5	1015	3/4"
OL15	15	120	TW-150	3	52.0	73.4	30.0	60.5	1175	3/4"

### DUPLEX TANK-MOUNTED

MODELS	HP	TANK SIZE	PUMP	NO. OF CYL	CFM @ 100 PSI	DIMENSIONS (In.)			WEIGHT (Lbs.)	CONNECTION (NPT)
						L	W	H		
OL5	5	120	VW-50	2	24.6	86.0	29.0	55.0	1130	3/4"
OL7.5	7.5	120	TW-75	3	46.2	103.0	29.5	59.4	1565	3/4"
OL10	10	200	TW-100	3	71.2	104.0	35.0	66.8	1985	1"
OL15	15	200	TW-150	3	104.0	104.0	35.0	66.8	2300	1"

### BASE MOUNTED

MODELS	HP	PUMP	NO. OF CYL	CFM @ 100 PSI	DIMENSIONS (In.)			WEIGHT (Lbs.)	CONNECTION (NPT)
					L	W	H		
OL5	5	VW-50	2	12.3	41.5	23.5	28.5	370	7/8" OD
OL7.5	7.5	TW-75	3	23.1	50.3	23.2	35.5	605	7/8" OD
OL10	10	TW-100	3	35.6	53.1	23.2	37.5	615	7/8" OD
OL15	15	TW-150	3	52.0	53.4	23.2	37.3	740	7/8" OD



**CURTIS-TOLEDO®, INC.**

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 Improvements and research are continuous  
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 without notice.

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