

OLS Compact Series Oilless Scroll

Medical Air System

Features

- ✓ Meets CAN/CSA Z7396.1-09 requirements
- ✓ Oilless scroll compressors
- ✓ 8" colour touchscreen and PLC controls
- ✓ Digital temperature displays for each compressor
- ✓ Low maintenance
- ✓ Pre-packaged and pre-wired
- ✓ Single point inlet and outlet connections
- ✓ One electrical connection

Specifications

Class 1 Inc. duplex or triplex, oilless, rotary scroll Medical Air system, with air receiver, duplex desiccant dryer and dual supply assembly, all factory assembled and tested, pre-wired and pre-piped on a common frame

.Compressors & Accessories: air cooled, oilless, rotary scroll complete with cast aluminum crankcase, continuously lubricated sealed bearings, belt drive and OSHA guard, air-to-air after cooler, over sized air intake filter with replaceable element, inlet isolation valve, and stainless steel flexible coupling, outlet check valve, outlet isolation valve, ASME pressure relief valve, premium efficiency motor

Piping: Inlet and discharge piping of Type L degreased copper and Schedule 40 brass pipe and fittings. Unions to be provided for ease of installation and service.

Air Receiver: ASME certified and CRN registered for a working pressure of 200 PSI, galvanized inside and outside, powder-coated. Accessories include sight glass with metal guard, ASME rated pressure relief valve, 2½" 0-200 PSI pressure gauge, automatic and manual drain valves and test valve with muffler.

Air Dryer, Filter and Regulator: Integrated air treatment system with dual desiccant dryers, pre-filters, after filters and activated carbon final filters. Dual line pressure regulator valves, dewpoint and CO monitors. Pre-piped and pre-wired. -40°C pressure dewpoint at rated flow. full automatic switching to backup dryer, dewpoint based purge and regeneration

Control Panel: CSA approved, NEMA 12 enclosure, factory pre-wired, system mounted, and tested, and complete with:

- main disconnect switch
- door interlock disconnect switch (each pump)
- motor circuit breakers with overload protection and manual reset (each pump)



- main and backup control transformers with primary finger safe fusing and secondary circuit breakers
- Manual / Off / Auto selector switches (each pump)
- 90 dB alarm buzzer, Silence Button, Alarm Reset Button
- pressure transmitter with automatic mechanical switch backup
- 8" colour touchscreen interface complete with system status and alarm events, hour meters, pressure level, dewpoint and CO levels, user adjustable settings, and password protection.
- Remote monitoring via Ethernet connection and webpage
- Audible and Visual alarms with contacts for site connection to Master Alarm panel for: Lag/Failure; Motor Overload; High Temperature; Transformer Failure, High Dewpoint, High CO, Dryer Switching Failure, Reserve in Use, Main Line Pressure Low, Main Line Pressure High.

Programming and Control:

- Lead compressor(s) to operate between 90 and 120 PSI.
- Lead compressor(s) to automatically alternate.
- High temperature alarm and shutdown
- Lag alarm set at 85 PSI and to require manual reset.
- Dryer automatic regeneration at -40°C
- High dewpoint alarm set for -32°C
- High CO alarm set for 5ppm, shutdown set for 25ppm

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Dimensions & Capacities

OLS COMPACT SERIES OILLESS SCROLL MEDICAL AIR SYSTEM

MODEL	CONFIGURATION	COMPRESSOR FLOW @ 100PSI CFM (LPM)	HP (kW)	DRYER FLOW @ 100PSI CFM (LPM)	RECEIVER SIZE GALLON (LITRE)	SYSTEM BTU/HR	SOULD LEVEL dB(A)	L INCH (mm)	W INCH (mm)	H INCH (mm)	WEIGHT lbs (kg)
OLS300-S80X2DD-DSA	DUPLEX	8.6 (243)	3 (2.2)	15 (425)	80 (352)	7635	72	70 (1778)	32 (813)	80 (2032)	1200 (544)
OLS300-S120X3DD-DSA	TRIPLEX	8.6 (243)	3 (2.2)	25 (708)	120 (528)	7635	72	70 (1778)	32 (813)	80 (2032)	1300 (589)
OLS500-S80X2DD-DSA	DUPLEX	14.7 (416)	5 (3.7)	30 (849)	80 (352)	12725	74	74 (1880)	34 (864)	80 (2032)	1500 (680)
OLS500-S120X3DD-DSA	TRIPLEX	14.7 (416)	5 (3.7)	50 (1416)	120 (528)	12725	74	74 (1880)	34 (864)	80 (2032)	1600 (725)
OLS750-S80X2DD-DSA	DUPLEX	22 (623)	7.5 (5.6)	50 (1416)	80 (352)	19088	76	74 (1880)	34 (864)	80 (2032)	1750 (793)
OLS750-S120X3DD-DSA	TRIPLEX	22 (623)	7.5 (5.6)	60 (1699)	120 (528)	19088	76	74 (1880)	34 (864)	80 (2032)	1850 (838)

