









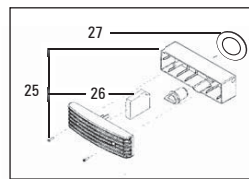
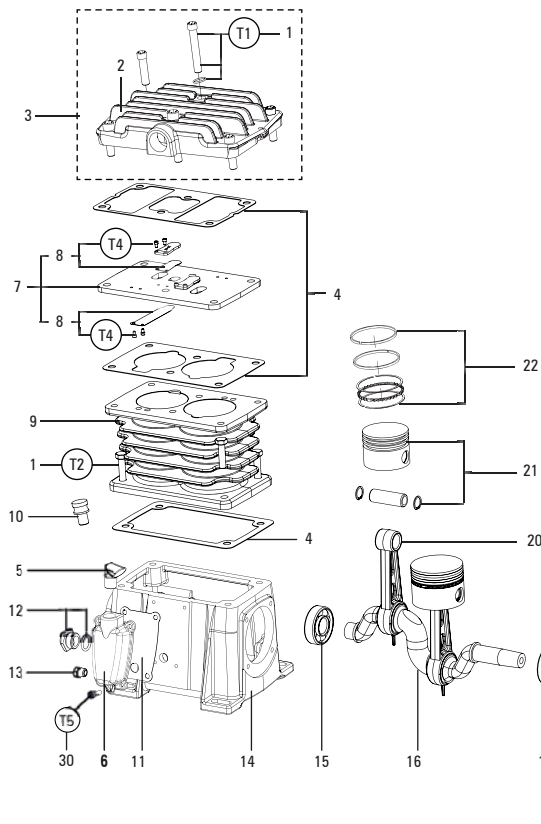


### CAST IRON PROFESSIONAL COMPRESSORS

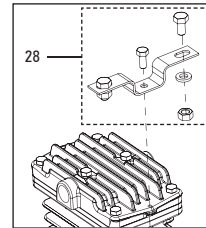
#### COMPRESSOR MSL 10 MAX - SINGLE STAGE - 125 PSI

#### TECHNICAL DATA

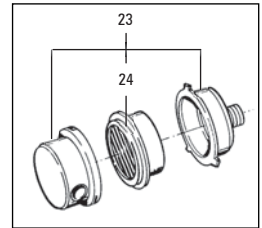
 MODEL	 DISPLACEMENT cfm	 MAX. PRESSURE psi	 FREE AIR DELIVERY cfm		 Q 1' RPM	 BELT	 MOTOR PULLEY		 OIL CAP.		 WEIGHT in lbs	 INLET	 DISCHARGE
			2 POLES				inch	mm					
			40 psi	90 psi			in ℓ	in qt					
MSL 10 MAX	8.5	125	8.0	6.6	810	1-A	2.56	65	0.520	0.550	39	1/2" NPSF	3/8" NPSF
	10		9.3	7.5	950		2.91	74					



OPTIONAL



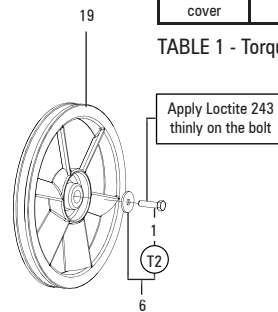
OPTIONAL ACCESSORY



OPTIONAL

PARTS	POSITION	BOLT	lbf.ft	lbf.in	N.m
Cylinder Head	(T1)	UNC 5/16" x 1.1/2" UNC 5/16" x 2"	22	265	30
Cylinder Flywheel	(T2)	UNC 5/16" x 1"	18	221	25
Flange	(T3)	UNC 1/4" x 3/4"	5.9	71	8
Valve plate	(T4)	M3 type Allen	1.6	20	2.2
Labyrinth cover	(T5)	M5 type Allen	1.1	13.2	1.5

TABLE 1 - Torque Especificacion



#### BARE PUMP PARTS

Nº	CODE	DENOMINATION	QTY.
1	830.0970-0	Bolt (kit)	01
2	709.1263-0/AT	Cast iron cylinder head	01
3	830.1712-0/AT	Cast iron cylinder head with bolt (kit)	01
4	830.1895-0	Gasket (kit)	01
5	028.0364-0/AT	Labyrinth cover elbow	01
6	033.0095-0/AT	Labyrinth cover	01
7	809.1012-0/AT	Valve plate	01
8	830.0972-0	Valve plate kit	01
9	709.1259-0/AT	Cylinder 2x d=2.1/2"	01
10	830.0532-7/AT	Oil plug with o'ring	01
11	023.0368-0/AT	Gasket labyrinth cover	01
12	60250001/AT	1/2" Oil level sight (kit)	01
13	003.0028-4/AT	1/4" plug	01
14	709.1649-0/AT	Crankcase with labyrinth	01
15	019.0002-1/AT	6204 Bearing	02

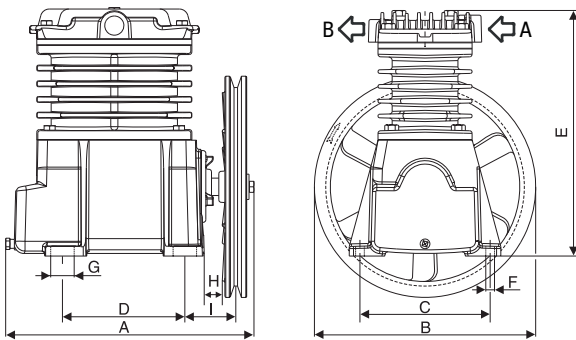
Nº	CODE	DENOMINATION	QTY.
16	830.0973-0	Crankshaft (kit)	01
17	709.1257-0/AT	Flange	01
18	023.0320-0/AT	Oil seal	01
19	709.1260-0/AT	Ø 254mm Flywheel	01
20	709.1261-0/AT	Connecting rod	02
21	016.0116-0/AT	Ø 2.1/2" Piston	02
22	830.0983-0	Ring kit (kit is for 1 cylinder)	02
23	007.0156-0/AT	1/2" Air filter	01
24	007.0159-0/AT	Filter element	01
25	830.1262-0	1/2" Air filter	01
26	830.1102-0	Filter element (kit with 4 pieces)	01
27	023.0286-0/AT	Termic washer	01
28	N.A.	Assembly belt guard (kit)	01
29	*	5/16" lock washer	06
30	*	M5 x 0.8 x 16 Allen head bolt (CL 12.9)	04

\* Part available in the market not sold by Schulz S.A.

N.A. - Not Available

## DIMENSIONS

### MSL 10 MAX



	A	B	C	D	E	F	G	H	I
mm	285	254	149.5	140.5	282	10	27	21	58.5
inch	11.2	10	5.9	5.53	11.1	0.4	1.06	0.83	2.3

Note: A suction / B discharge (optional)

## INSTALLATION AND OPERATION INSTRUCTIONS

### INSTALLATION AND LOCATION

#### 1. Installation:

Install the compressor in a covered, well ventilated area, free of dust, toxic gases, humidity or any other kind of pollution. The compressor should be located no closer than 32" (800mm) from a wall or any other obstacle that could interfere with the air flow through the fan. This distance will also make maintenance easier. Place the compressor on a leveled surface. Rotation of the flywheel must be in the direction of the arrow cast into the flywheel. The maximum ambient temperature recommended while working is 104°F or 40°C. If necessary, install an exhaust fan to guarantee fresh air and to dissipate heat.

Before making the electrical connections, check oil level and top-up lubricating oil. For type of oil, see table at the end of these instructions.

**2. Electrical connection:** The country's valid electrical standards must be followed regarding Low Voltage Electrical Installation.

### OPERATION

#### 1. Initial start procedure:

Before turning on the compressor, check the crankcase oil level. It must be in the middle of the oil level sight or oil level dipstick. As to the type of oil to be used and the recommended change intervals, check at "Lubrication" and as to its volume, check the Technical Data Table.

#### 2. Start:

Turn on the electrical start key and let your compressor run for about 10 (ten) minutes, what will keep the tank's internal pressure or compressed air around 20 psi. This will optimize a homogeneous lubrication of the parts.

## LIMITED WARRANTY

All component parts on your SCHULZ compressor are warranted to be free of defects in workmanship and material for a period of one year. Transportation charges are responsibility of the purchaser. This warranty extends to the original purchaser of the compressor only.

There are no express warranties except as contained in this limited warranty statement and implied warranties, including those of merchantability and fitness for a particular purpose, are limited to the period of warranty.

Our liability is limited solely to replacement of nonconforming parts as set forth herein and does not include any liability for any incidental, consequential, or other damages of any kind. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

DISTRIBUTOR

## MAINTENANCE WARNING

Turn off power before servicing and be sure the air tank is unloaded. These instructions are based on normal operating conditions. If the compressor is located in an exceedingly dusty area, increase the frequency of all inspections.

### DAILY

- Inspect the compressor visually.
- Check oil level and add some if necessary, before turning the compressor on.
- Drain moisture from the piping system.
- Be sure there is no excessive or unusual vibration or noise.

### WEEKLY

- Remove and clean intake air filters; do not wash the filter element.
- Check V-belts for tightness. Belt tension should be adjusted to allow approximately 3/8" to 1/2" (9 to 13 mm) deflection with normal thumb pressure or weight of the 3.7kg (8.15lb).
- Clean cylinders externally, cylinder head, motor, fan blade, tubing, and tank.
- Safety valve should be tested manually to see if it is working properly.

### MONTHLY

- Check entire system for air leakage around fittings, etc by using water and soap lather.
- Check the pressure switch operation.
- Check for oil contamination and change it if necessary.

### QUARTERLY

- Change the air filter element every 300 working hours or quarterly. (Whichever occurs first).
  - Fasten bolts and nuts as required. (See Table 1)
  - Change oil more frequently if compressor is located in a very dirty environment.
- WHILE RUNNING IN A PERIOD OF ABOUT 100 WORKING HOURS THE OIL LEVEL SHOULD BE CARE FULLY CHECKED.**

### ANNUALLY

- Test and calibrate the pressure switch, pressure gauge and safety valve according to their own technical standards. These parts must be removed from the tank and pumped to be tested.
- Inspect and clean the suction and discharge valve(s) plate(s) every 1000 (one thousand) working hours (whichever occurs first), located between the cylinder and its cover and, if necessary, replace it (them) according to the operation conditions.
- The first oil change should be made after 8 hours of operation.
- The second oil change after 40 hours of operation.
- The third and following exchanges should be made after 200 hours of operation, or 60 (sixty) days, whichever occurs first.

#### Note:

Heavy Duty and multi-viscous oils are not adequate for Schulz air compressor's lubrication. The same applies to oils that tend to emulsify.

We recommend good industrial oil for air compressors, with rust and oxidation inhibitors and high viscosity level (from 90 to 95), SAE or ISO, as indicated in the table below:

### RECOMMENDED LUBRICANT OILS FOR SCHULZ AIR PUMPS

AMBIENT TEMPERATURE F ( C )		
Below 32 °F Below 0 °C	32 °F to 68 °F 0 °C to 20 °C	68 °F to 104 °F 20 °C to 40 °C
SAE 10W or ISO 32	SAE 20W or ISO 68	SAE 30 or ISO 100

NOTE: Schulz reserves the right to make changes without prior notice.



INFORMACIÓN TÉCNICA  
TECHNICAL INFORMATION

export@schulz.com.br  
+55 47 3451 6252



SCHULZ OF AMERICA, INC.  
3420, Novis Pointe  
Acworth, GA 30101  
Phone # (770) 529.4731  
Fax # (770) 529.4733  
sales@schulzamerica.com  
www.schulzamerica.com

PIEZAS ORIGINALES  
Consulte Distribuidor Autorizado

ORIGINAL  
REPLACEMENT PARTS  
Contact Authorized Distributor