



E90-Series PISTON PUMPS

2013-08

E90-SERIES PISTON PUMPS

E *EFFICIENT*
ECONOMICAL
ENVIRONMENTAL

MANUFACTURING AND DEVELOPMENT WITH THE LATEST TECHNOLOGY

 www.eurolube.com

E90-SERIES PISTON PUMPS

EUROLUBE EQUIPMENT AB

THREE MAIN REASONS FOR CHOOSING E90-SERIES

EFFICIENT

Unique air motor which uses up to **80% less air** to deliver the same amount of fluid.

ECONOMICAL

The lower air consumption of the pump directly means that **money is being saved from day one of installation**, compared to similar pumps.

ENVIRONMENTAL

Lower noise level and less energy needed to power the pump means it's **the most environmentally friendly pump we've made yet.**

FOUR VERSIONS:

6:1 Oil pump

- Medium to large pipe systems with simultaneous dispensing, automotive and industry
- Engine oil, gear oil, transmission oil
- Drum and stub

10:1 Oil pump

- Large pipe systems with simultaneous dispensing, automotive and industry.
- Engine oil, gear oil, transmission oil
- Grease transfer
- Drum and stub

6:1 Stainless steel pump

- Medium to large pipe systems
- Viscous solvents, water based fluids
- Dispensing sealants, inks, paint, glue etc.
- Drum and stub

80:1 Grease pump

- Medium to large pipe systems for grease in automotive and industrial applications.
- 180kg and 50kg

CUSTOMER TESTIMONY:

"Almost immediately after we replaced all our pumps in the workshop we noticed that our compressor wasn't working as hard as before when we are servicing a lot of vehicles at the same time and pumping a lot of fluids"

UNIQUE AIR MOTOR

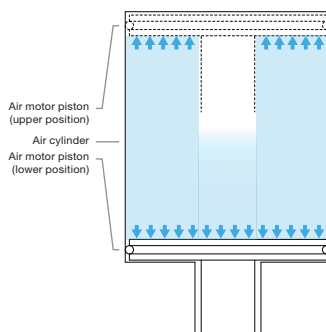


- **Up to 80% less air consumption**
- **Reduced CO²**
- **Low noise**

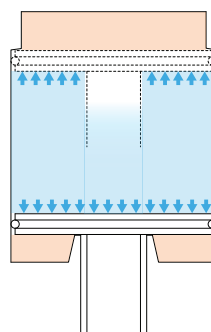
The E90-series pumps is a completely new design, utilizing the patented air motor which is already known from the diaphragm pumps. This air motor in a piston pump design means that the pump changes direction very fast, and the fluid flow is virtually pulsation-free. The minimised dead volumes in the air cylinder means that the pump is very efficient compared to other air motors used in piston pumps.



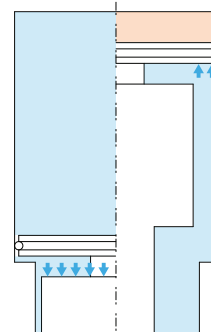
E90 AIR MOTOR



STANDARD AIR MOTOR



DIFFERENTIAL AIR MOTOR



■ = EFFECTIVE VOLUME
■ = "DEAD" VOLUME
↑ = ACTIVE AREA

E90-SERIES PISTON PUMPS

EUROLUBE EQUIPMENT AB

PUMP KITS

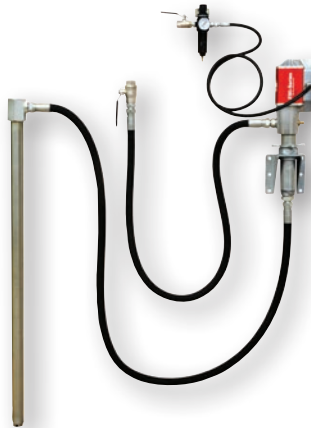
Complete kits simplify installation, purchasing and project planning.
The kits are complete with hoses, adapters and air quick couplers.

15 different kits are available,
contact us for more information

• FIXED INSTALLATION



6:1 & 10:1 Oil pump kit
for tanks



6:1 & 10:1 Oil pump kit for
drums and IBC containers



80:1 Grease pump kit for
180 and 50kg drums

• IBC CONTAINER



6:1 & 10:1 Oil pump kit
w/ H.V. oil gun for IBC
container



6:1 & 10:1 Oil pump
kit w/ digital meter
for IBC container

• MOBILE UNITS



6:1 Oil pump kit w/
hose reel and heavy
duty trolley

H.V. oil gun
with digital
meter option



10:1 Grease transfer
pump kit w/ outlet
hose and heavy
duty trolley

H.V. dispense
gun with digital
meter option

TECHNICAL SPECIFICATIONS

DATA	E90 6:1 DRUM	E90 6:1 STUB	E90 10:1 DRUM	E90 10:1 STUB	E90SS 6:1 DRUM	E90SS 6:1 STUB	E90 80:1 180KG	E90 80:1 50KG
Article no	15750	15751	15760	15761	12765	12766	25785	25786
Ratio	6:1		10:1		6:1		80:1	
Air inlet	3/8" BSP (F)							1/4" BSP (F)
Fluid inlet	–	1" BSP (F)	–	1" BSP (F)	–	1" BSP (F)	–	
Fluid outlet	3/4" BSP (F)				3/4" (M/Utv.)		3/8" BSP (F)	
Air pressure	2-10 bar (30-145 psi)							2-8 bar (30-115 psi)
Max air consumption	350l/min (approx, at 8l/min flow, 7 bar air)							605l/min (approx, at 600gr/min, 7 bar air)
Max output pressure	60 bar		100 bar		60 bar		640 bar (air pressure limited)	
Air motor bore	88 mm							
Air motor stroke	88 mm							75 mm
Output per cycle	~160cc		~100cc		~146cc		~5,1gr	
Free flow	32l/min¹		20l/min¹		29l/min²		1200gr/min³	
Noise level	65dB / 73dB⁴							
Wetted parts	Steel/Aluminum/PU/NBR				AISI316/PE-UHMW/Acetal		Steel/PU/PTFE/NBR	

MEASUREMENTS

Total length (mm)	1165	460	1170	530	1180	485	1148	950
Air motor length (mm)	250	250	250	250	250	250	215	215
Pump tube Ø (mm)	52	52	42	42	50	50	30	30
Pump tube length (mm)	915	210	910	270	930	235	925	730
Weight (kg)	6,5	4,4	6,7	4,8	8	5,8	7,8	6,8
Weight incl. packaging (kg)	7,1	4,7	7,3	5,1	8,6	6,1	9,3	8,1

¹ Engine oil SAE 10W-40 at 20°C and 10 bar air pressure² Water at 20°C and 10 bar air pressure³ NLGI2 Grease, 7 bar free delivery⁴ Approx, at 1m from the pump, 20-60 strokes/min respectively

• Eurolube is a Swedish company specializing in the manufacture, distribution, and support of environmentally-friendly products and tailor-made complete and professional solutions for the handling of lubricants and other fluids.

• We are recognized for our instant support and service from simple advice to fully integrated systems tailored to the needs of each customer.

• We provide a professional line of fluid handling solutions within all business sectors.



EUROLUBE EQUIPMENT AB

Stråsavägen 2, SE-711 76 Storå, Sweden

TEL +46 581 836 65

EMAIL eurolube@eurolube.com