

Characteristics

- Double acting mini pumps with pneumatic drive;
- Adjustable oil flow with spacers fixed or adjustable ring;
- Modular system;
- Exclusion of air for operation with oil;
- Adjustable air and oil independent;
- Variable oil flowrate to each mini pump;
- Minimal outlets air/oil with mono tube system;
- Control double acting mini pumps with solenoid valve.

Applications

- Sharpening tools;
- Boring;
- Broaching;
- Calibration;
- Chains;
- Air conveyors;
- Bend pipes;
- Tooth;
- Thread;
- Drilling;
- Milling;
- Tapping;
- Bending;
- Punching;
- Rolling;
- Band saws and disc.

VIP4 Tools/Double Effect

High micro-pump cycle rate air-oil injection package.

A Complete Range of components, lubricants and accessories to realise your Dry Machining Application

By using the VIP4Tools product range you can take full advantage of recent advances in machine tool and lubricant technology to achieve substantial cost saving and environmental benefits.

Designed for high performance with low cost, it is distinguished by its compactness.

The VIP4Tools/Double Effect panel is to be utilized for 'on mandrel' applications, without controls on the machine, for the lubrication of tooling and chains.

The system comprises a pneumatically controlled mini-pump and the mixer base. The mini-pumps have a fixed delivery (7,15 o 30 mm³/stroke).

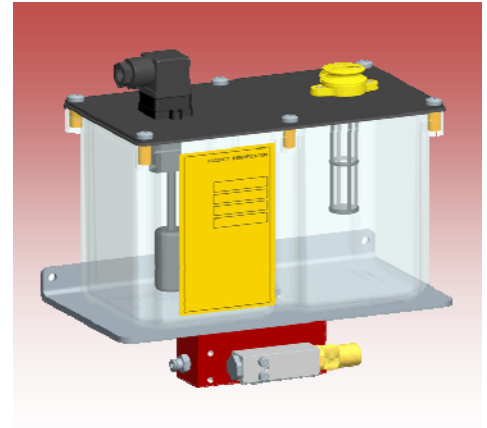
The modular design of the system makes it extremely versatile; up to a maximum of 8 mixer bases can be installed.

The double-acting mini pumps are pneumatically driven by a solenoid without mechanical spring return allowing much faster operation of the unit without any risk of spring fatigue.

These pumps reach even with cycle rates of one stroke every 0.1seconds.

Vip4 Tools /Double Effect Advantages:

- **Resistant mini-pumps** that can achieve cyclic operation also 0.1 s / stroke;
- **Does not generate spray mist** but a minimal mixture of air/oil;
- **Modularity allows easy maintenance and low cost;**
- Save the lubricant due to low dose;
- **Respect and safeguard** of the **environment;**
- Significant **reduction in process costs;**



TECHNICAL SPECIFICATIONS

Air supply pressure	5 ÷ 8 bar (73.5 ÷ 117.6 psi)
Working temperature	-5 ÷ +55 °C (+23 ÷ +131 °F)
Working humidity	90% max
Permitted lubricants	Mineral - synthetic
Oil viscosity at working temperature	32 ÷ 320 cSt (149.9 ÷ 1480 SUS)
Conservation temperature	-20 ÷ +65 °C (-4 ÷ +149 °F)

Contacts

www.dropsa.com
sales@dropsa.com

ITALIA

Dropsa SpA
 t. +39 02-250791
 f. +39 02-25079767

U.K.

Dropsa (UK) Ltd
 t. +44 (0)1784-431177
 f. +44 (0)1784-438598

GERMANY

Dropsa GmbH
 t. +49 (0)211-394-011
 f. +49 (0)211-394-013

FRANCE

Dropsa Ame
 t. +33 (0)1-3993-0033
 f. +33 (0)1-3986-2636

ESPAÑA

Polydrop, S.A.
 t. +34 (0)93-260-22-50
 f. +34 (0)93-260-22-51

U.S.A.

Dropsa Corporation
 t. +1 586-566-1540
 f. +1 586-566-1541

AUSTRALIA

Dropsa Australia Ltd.
 t. +61 (0)2-9938-6644
 f. +61 (0)2-9938-6611

BRAZIL

Dropsa
 t. +55 (0)11-563-10007
 f. +55 (0)11-563-19408

CHINA

Dropsa Lubrication Systems
 (Shanghai) Co.,Ltd
 t. +86 (021) 67740275
 f. +86 (021) 67740205

DIMENSIONS

Numbers of elements	A		Weight	
	mm	in.	Kg	lb
1	255	10	3,5	7.7
2	283	11.14	4	8.8
3	311	12.24	4,5	9.9
4	339	13.35	5	11
5	367	14.45	5,5	12.1
6	395	15.55	6	13.2
7	423	16.66	6,5	14.3
8	451	17.76	7	15.4

ORDER INFORMATIONS

VIP4Tools/Double Effect VERSIONS:

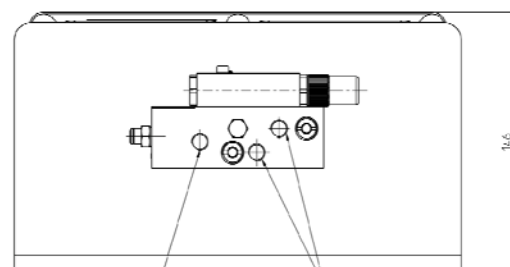
Part nr.	N° Dosers
3135251	1
3135252	2
3135253	3
3135254	4
3135255	5
3135256	6
3135257	7
3135258	8

ACCESSORIES:

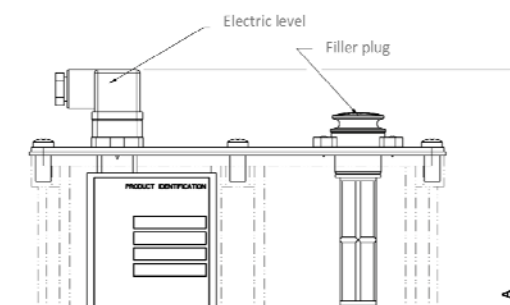
Part nr.	Description
5717202	nylon tube \varnothing 4 x 2,5
5717242	nylon tube \varnothing 4 x 1,5 black
5717232	nylon tube \varnothing 3 x 1,5
5717300	Tube, flexible \varnothing 4 mm (\varnothing 0.15 in.)
5717301	Tube, flexible \varnothing 6 mm (\varnothing 0.23 in.)
1524486	Lubrication nozzle 32 mm (1.26 in)
1524487	Lubrication nozzle 48 mm (1.89 in.)
3103156	Micro pumps with adjustable flow ring
3132583	Spray tube with magnetic base = 180 mm (7.08 inch.)
3132714	Spray tube with magnetic base = 400 mm (15.74 inch.)
3226661	LRT 30 Oil for iron and aluminium -1lt pack

COMPONENTS:

Part nr.	Description
3130139	Filter, oil filling
1525059	Mixer Base
3103157	Pneumatic mini-pump with fixed delivery: with the pump must be ordered also the fixing screws. Part. num. 14067 - quantity 2
5717300	Tube, flexible \varnothing 4 (0.16 in.)
6770072	Tank, 3 lt
1655583	Samba Level

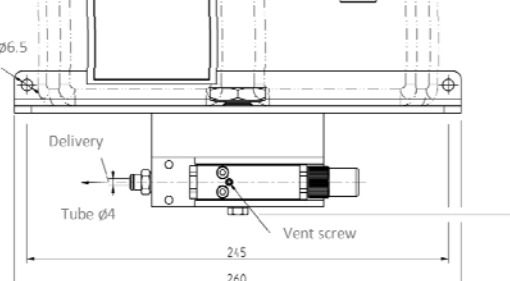


Inlet for air mixing
(1/8 BSP) Pump controls
(1/8 BSP)



Electric level
Filler plug

n. 2 holes \varnothing 6.5



Delivery
Tube \varnothing 4
Vent screw