

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.

HIGH MICRO-PUMP CYCLE RATE AIR-OIL INJECTION PACKAGE

The range of **Vip4Tools** was conceived with the aim of utmost exploitation of the progress achieved in the machine tool industry and the most recent lubrication techniques that enable considerably saving time and offering 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 spindle' 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 7.15 or 30 mm³/stroke or variable delivery (0 ÷ 30 mm³).

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

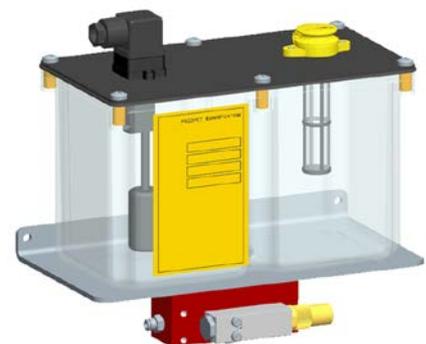
The double-acting mini pumps are pneumatically driven by a mechanical spring check valve.

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

1 l version



3 l version



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 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 lubricant** due to low doses;
- **Respect and safeguard of the environment;**
- Significant **reduction in process costs;**

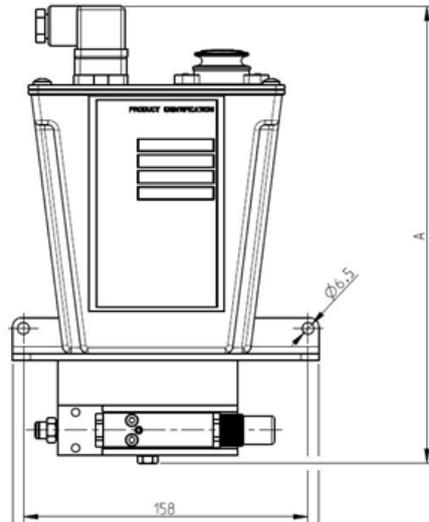
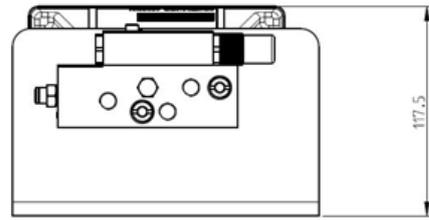
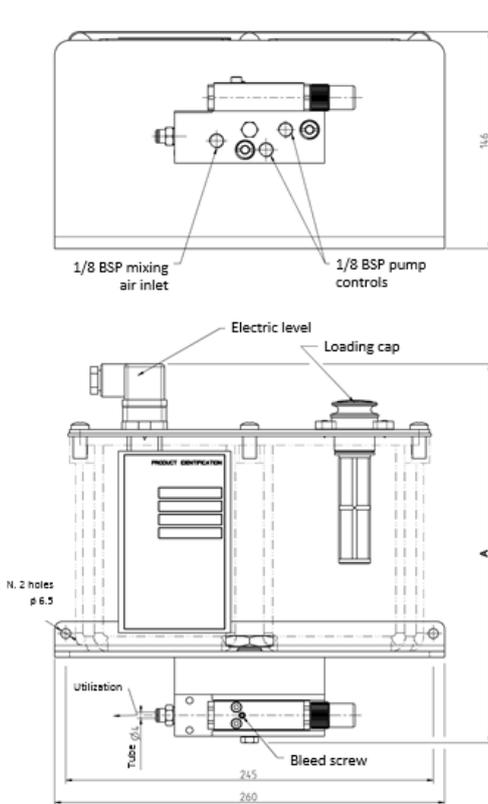
TECHNICAL SPECIFICATIONS

Air supply pressure	5 ÷ 8 bar
Working temperature	-5 ÷ +55 °C
Working humidity	90% max
Permitted lubricants	Mineral-synthetic
Oil viscosity	32 ÷ 320 cSt
Conservation temperature	-20 ÷ +65 °C
Air supply pressure	5 ÷ 8 bar
Working temperature	-5 ÷ +55 °C



VIP4 TOOLS/ DOUBLE EFFECT

DIMENSIONS (DRAWINGS NOT TO SCALE)



N. 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

N 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 INFORMATION

DESCRIPTION	MODULES	CODE TANK 1 L	CODE TANK 3 L
STANDARD VERSION WITH FIXED FLOW RATE PUMP	1	3135431	3135251
	2	3135432	3135252
	3	3135433	3135253
	4	3135434	3135254
	5	3135435	3135255
	6	3135436	3135256
	7	3135437	3135257
	8	3135438	3135258

STANDARD VERSION COMPONENTS	
DESCRIPTION	CODE
Oil filling filter	3130139
Mixer Base	1525059
Pneumatic mini-pump with double-acting fixed delivery: the mini pump also compulsorily comes with assembly screws. Code 14067 - quantity 2.	3103157
Tube, flexible Ø 4 (0.16 in.)	5717300
Tank 3 Litres	6770072
Tank 1 Litre	3044337
Samba Level	1655583

ACCESSORIES

DESCRIPTION	CODE
Tube, flexible Ø 4 (0.16 in.)	5717300
Tube, flexible Ø 6 (0.23 in.)	5717301
Lubrication nozzle 32 mm (1.26 in.)	1524486
Lubrication nozzle 48 mm (1.89 in.)	1524487
Spray tube with magnetic base = 180 mm (7.08 inch.)	3132583
Spray tube with magnetic base = 400 mm (15.74 inch.)	3132714
LRT 30 Oil for iron and aluminium –1lt pack	3226661

Distributor Info:

C2120PE WK 20/17

Dropsa products are available at Dropsa branches and authorised dealers, please visit www.dropsa.com/contact or write to dropsa@sales.com