

# PAOLI REGULATORS



Main features: Paoli regulators have all been conceived to first guarantee the correct (very high) air flow to all the models of Paoli guns. Furthermore, all the Paoli regulators minimize the pressure drop from static to dynamic. We do deliver mostly piston regulators for high pressure and diaphragm regulators for lower pressures.

- All of our regs are entirely made of brass
- We can deliver different kind of gauges (standard, filled w/ vaseline to stabilize the needle, w/double main scale psi/bar)
- We do always recommend to match a high pressure oiler to each regulator and to ship them back regularly to us or to an authorized service centre for a complete overhaul.

Gauges available with both main scales (bar/psi)

Safety valve adjusted at 50 bar

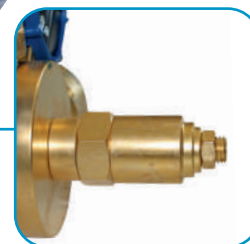
F4 FEATURES

High flow filter easy to replace

Body made of brass



Piston inside



Air pressure and volume balancer device

- The "Paoli F4" air pressure regulator is the best seller model. It keeps high performances also when the bottle is almost empty. Max air flow superior to any other air pressure regulator!
- It grants constant air flow also at high pressures.
- It keeps high performances also when the air bottle is half empty.
- It gives very high air flow

MANUAL

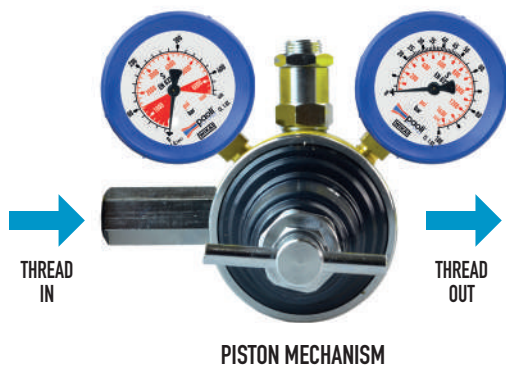


Operating and  
Maintenance  
Manual



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## MODEL F1 / MODEL F2



### TWO MODELS IN 1!

F1 can be converted into the F2 model with just one overpressure valve adjustment and replacement of spring, plate and pressure gauge

#### MODEL F1

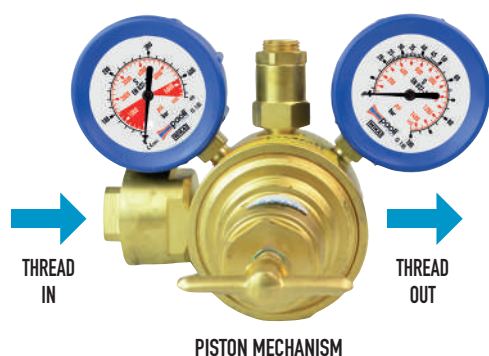
CODE	B.40.0001	B.40.0034	B.40.0040
INLET PRESSURE	220 bar	220 bar	350 bar
MAX FLOW (20 BAR/OUT)	150 Nm <sup>3</sup> /h	150 Nm <sup>3</sup> /h	200 Nm <sup>3</sup> /h
GAUGES IN	0-450 bar	0-6500 PSI	0-450 bar
GAUGES OUT	0-60 bar	0-870 PSI	0-60 bar
OVER PRESSURE VALVE SETTING	30 bar	30 bar	30 bar
THREAD IN	1/4" BSP	1/4" BSP	1/4" BSP
THREAD OUT	3/8" BSP	3/8" BSP	3/8" BSP
FLOW	medium	medium	medium
AIRJACK			
HIGH FLOW FILTER			
BALANCED			

#### MODEL F2

CODE	B.40.0002	B.40.0035	B.40.0041
INLET PRESSURE	220 bar	220 bar	350 bar
MAX FLOW (20 BAR/OUT)	150 Nm <sup>3</sup> /h	150 Nm <sup>3</sup> /h	200 Nm <sup>3</sup> /h
GAUGES IN	0-450 bar	0-6500 PSI	0-450 bar
GAUGES OUT	0-100 bar	0-870 PSI	0-100 bar
OVER PRESSURE VALVE SETTING	50 bar	50 bar	50 bar
THREAD IN	1/4" BSP	1/4" BSP	1/4" BSP
THREAD OUT	3/8" BSP	3/8" BSP	3/8" BSP
FLOW	medium	medium	medium
AIRJACK	•	•	
HIGH FLOW FILTER			
BALANCED			

## MODEL F4

### THE BEST SELLER MODEL!



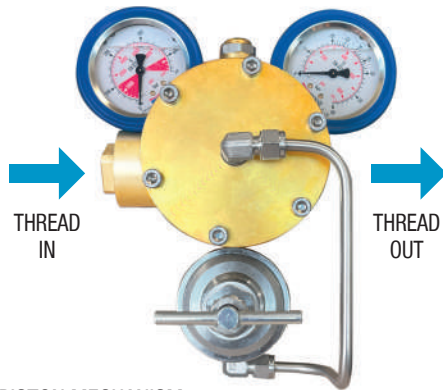
CODE	B.40.0005	B.40.0030	B.40.0042
INLET PRESSURE	220 bar	220 bar	350 bar
MAX FLOW (20 BAR/OUT)	400 Nm <sup>3</sup> /h	400 Nm <sup>3</sup> /h	500 Nm <sup>3</sup> /h
GAUGES IN	0-450 bar	0-6500 PSI	0-450 bar
GAUGES OUT	0-60 bar	0-870 PSI	0-100 bar
OVER PRESSURE VALVE SETTING	50 bar	50 bar	50 bar
THREAD IN	1/4" BSP	1/4" BSP	1/4" BSP
THREAD OUT	3/8" BSP	3/8" BSP	3/8" BSP
FLOW	high	high	high
AIRJACK	•	•	•
HIGH FLOW FILTER	•	•	•
BALANCED	•	•	•

## MODEL F5



CODE	B.40.0103
INLET PRESSURE	350 bar
MAX FLOW (20 BAR/OUT)	500 Nm <sup>3</sup> /h
GAUGES IN	0-450 bar
GAUGES OUT	0-100 bar
OVER PRESSURE VALVE SETTING	50 bar
THREAD IN	1/4" BSP
THREAD OUT	3/8" BSP
FLOW	high
AIRJACK	•
HIGH FLOW FILTER	•
BALANCED	•

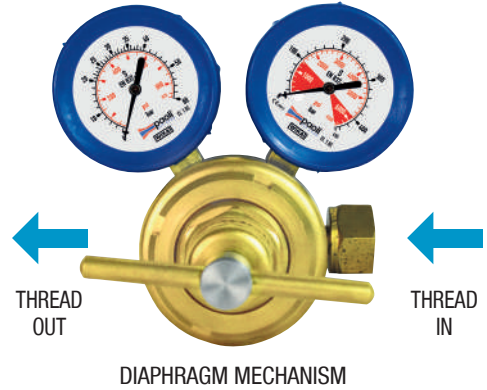
## MODEL F9 2.0



PISTON MECHANISM

CODE	B.40.0104	B.40.0105	B.40.0106
INLET PRESSURE	220 bar	220 bar	350 bar
MAX FLOW (20 BAR/OUT)	400 Nm <sup>3</sup> /h	400 Nm <sup>3</sup> /h	500 Nm <sup>3</sup> /h
GAUGES IN	0-450 bar	0-6500 PSI	0-450 bar
GAUGES OUT	0-60 bar	0-870 PSI	0-100 bar
OVER PRESSURE VALVE SETTING	40 bar	40 bar	40 bar
THREAD IN	1/4" BSP	1/4" BSP	1/4" BSP
THREAD OUT	3/8" BSP	3/8" BSP	3/8" BSP
FLOW	high	high	high
AIRJACK			
HIGH FLOW FILTER	•	•	•
BALANCED	•	•	•

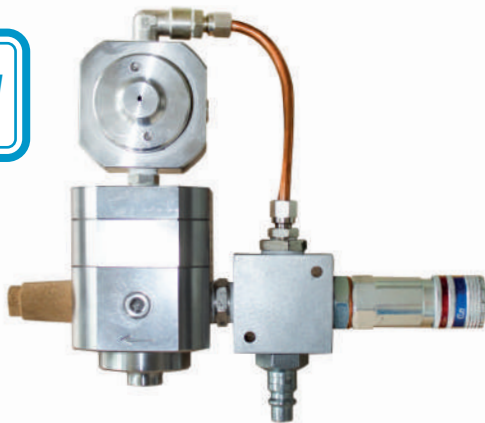
## MODEL F40



DIAPHRAGM MECHANISM

CODE	B.40.0049
INLET PRESSURE	300 bar
MAX FLOW (20 BAR/OUT)	700 Nm <sup>3</sup> /h
GAUGES IN	0-450 bar
GAUGES OUT	0-60 bar
OVER PRESSURE VALVE SETTING	40 bar
THREAD IN	1/4" BSP
THREAD OUT	1/2" BSPT
FLOW	high
AIRJACK	•
HIGH FLOW FILTER	
BALANCED	

## RELIEF VALVE



Used to reduce pressure peaks occurring in the air supply circuit. The maximum pressure can be finely adjusted for each application.

SET PRESSURE	15-25 bar
MAX FLOW (20 BAR/OUT)	400 Nm <sup>3</sup> /h

## AIR PRESSURE REGULATOR SERVICE FIXTURE

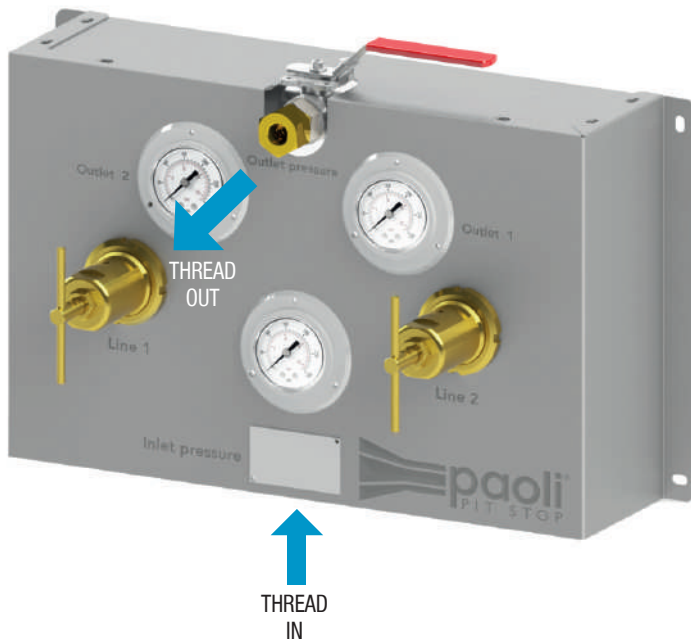


S.01.0161

The air pressure regulator service fixture sustains the regulator during its assembling and disassembling phases. It is compatible with the following Paoli air pressure regulator models: F1, F2, F4, F9 2.0 and F50.



## DUAL PRESSURE REGULATOR



### DUAL PRESSURE REGULATOR

CODE	B.40.0108	
INLET PRESSURE	200 bar	
RANGE PRESSURE OUTLET	2-25 bar	
GAUGES IN	0-400 bar	
GAUGES OUT	Line 1 0-60 bar	Line 2 0-60 bar
OVER PRESSURE VALVE SETTING	28,5-29,5 bar	
THREAD IN	1/4" BSP	
THREAD OUT	3/8" BSP	
FLOW	high	
AIRJACK		
HIGH FLOW FILTER		
BALANCED	•	

Manual dual pressure regulator to guarantee **DIFFERENT PRESSURES IN A FEW SECONDS**.

Thanks to the revolving handle positioned in the upper part and to the presence of two different pressure regulators **CALIBRATED AS NEEDED**, the operator can **EASILY SWITCH** from one regulator to another according to the need for pressure in tightening and loosening.

## AIR PRESSURE REGULATOR TESTING BENCH

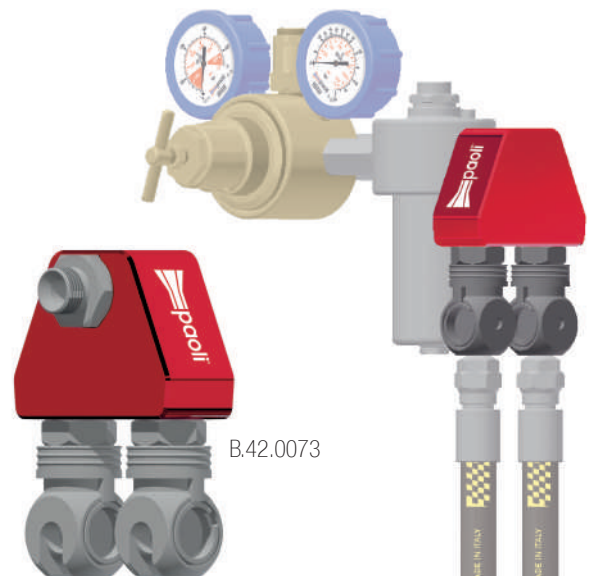


This kit has been designed to test the air pressure regulators. The air pressure regulator testing bench is composed by:

- 1 bench (350 x 130 x 80 mm)
- 1 hose
- 1 valve

DIN 200 Bar coupling for compressor available on demand (Code: B.21.0088)

## SPEARE GUN AIR SUPPLY DEVICE



This device allows the operator to get a second spare gun connected to the same air supply. It is needed in case of EMERGENCY (first gun failing) during the pit stop operations.

WARNING: you should use just on gun at a time otherwise the air flow drops down very quickly.

Couplings not included.

## ANALOGIC GAUGES



B.40.0071



B.40.0072



B.40.0073



B.40.0074



B.40.0075



B.40.0076

CODE	DIAMETER	CONNECTION	RANGE		GLYCERIN	DISPLAY
B.40.0071	63 mm	1/4" BSP	0-450 bar	0-6500 PSI	X	analogic
B.40.0072	63 mm	1/4" BSP	0-6500 PSI	0-450 bar	X	analogic
B.40.0073	63 mm	1/4" BSP	0-60 bar	0-870 PSI	X	analogic
B.40.0074	63 mm	1/4" BSP	0-100 bar	0-1450 PSI	X	analogic
B.40.0075	63 mm	1/4" BSP	0-400 PSI	0-28 bar	X	analogic
B.40.0076	63 mm	1/4" BSP	0-870 PSI	0-60 bar	X	analogic

## FIXING NUTS



B.40.0094

Fixing nuts for air pressure regulators  
F1 - F2 - F4



## ELECTRONIC PRESSURE SWITCH



Electronic pressure switch mountable on all Paoli pressure regulators.

The acoustic alarm, audible at a distance, alerts the user when the cylinder is emptying. This limits the risk of running out of air and reduces the possibility of compromising the wheel gun performance in case of semi-empty air bottles.

### FEATURES

- Easily readable digital display
- Intuitive and fast setup
- Settable Pressure
- Easy and flexible mounting
- Acoustic alarm
- Power adapter included

CODE	B.40.0090
CONNECTION	1/4" BSP
RANGE	0-400 bar
VOLTAGE	9-36V DC (without the included power adapter); 110V-220V AC (using the included power adapter).
DECIBEL	100 dB
PIN CONNECTION	Pin 1: 9-36V DC Pin 2: GND



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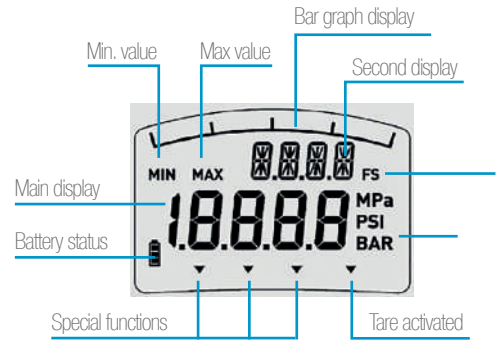
## DIGITAL GAUGES



**BACKLIGHTING:**  
the display can be easily read, even under poor lighting conditions.

**ROTATABILITY OF THE DISPLAY:**  
The display can be rotated through 300°, thus it can be read from almost any position. Therefore the gauge can also be used in situations where mounting is difficult.

### PRECISE AND QUICK READING OF THE DISPLAY



The robust stainless steel case and the battery power enable a flexible operation of the digital gauge. For a precise and quick on-site reading of a pressure value, a digital indicator is the ideal solution. The bargraph display and drag pointer function integrated into the display, as well as retrievable Min/Max peak values, enable effective analysis of the measuring point.

Thanks to the rotatable display, the digital pressure gauge can be easily adapted to difficult conditions. The backlighting also provides easy readability of the display in poor lighting conditions.

### FEATURES

- Battery operation (2 x 1.5 V AA cell)
- Min/Max memory function
- Unit switching: bar, psi, MPa
- Accuracy 0.5 % ± 1 digit

CODE	DIAMETER	CONNECTION	RANGE		DISPLAY
B.40.0085	80 mm	1/4" BSP	0-100 bar	0-1500 PSI	digital
B.40.0086	80 mm	1/4" BSP	0-600 bar	0-8700 PSI	digital

## HIGH FLOW FILTER



B.45.0005

### HIGH FLOW FILTER FOR AIR PRESSURE REGULATOR KIT

Suitable for air pressure regulators for heavy duty application.

High surface area to grant bigger air flow.

Easy maintenance service.

Technical Data:

Thread IN: 1/4" BSP female

Thread OUT: 3/8" BSP male



## HIGH PRESSURE OILER



B.45.0017



Inlet and outlet  
reducer 3/4" to 1/2"  
D.04.06.0037

New high pressure oiler with adjusting system and with sight glass to check the oil drops.

B.45.0003

### More speed and performance, increased life of your Paoli gun.

The oiler constantly lubricates the air motor getting the maximum speed and increasing its reliability.

	B.45.0017	B.45.0003
MAX OPERATING PRESSURE	50 bar	25 bar
EFFECTIVE BOWL VOLUME	200 cm <sup>3</sup>	135 cm <sup>3</sup>
SIZE	1/2" BSP	3/4" BSP
MOUNTING POSITION	Vertical	Vertical
BOWL MATERIAL	AISI 316	Metal

### ACCESSORIES

The following accessories are essential to assemble the oiler:



**NIPPLE**  
Product Code B.42.0078



**COUPLING**  
Product Code B.42.0049