



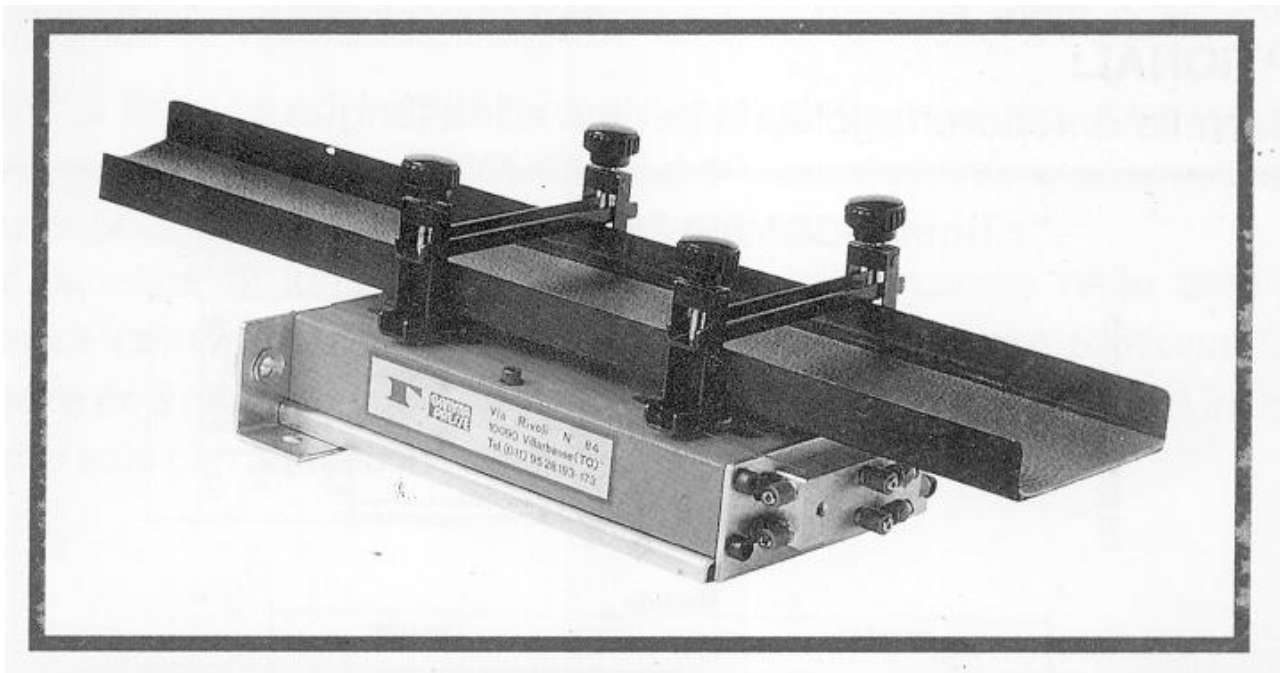
## EVACUATOR FOR SCRAPS OR SHORN PIECES

# “SLIM mod.2”

Applied Force of Inertia

Users Manual

Characteristics – Maintenance – Spare parts



## OPERATING CONCEPT

**The force of inertia** created by “**SLIM mod. 2**” creates a horizontal motion on the raceway to translate scraps or shorn pieces.

**The pneumatic operation** of “**SLIM mod. 2**” ensures operating safety and easy installation.

**The interchangeable raceways**, due to their simplicity, can also be built by the user.

**GAMMA PRESSE** offers its customers standard raceways, even in the oil-proof version, always in stock.

Standard raceway measurements		
Length	Width	Height
800 mm	140 mm	30 mm
800 mm	240 mm	30 mm
1000 mm	140 mm	30 mm
1000 mm	240 mm	30 mm
Other measurements upon request		

**“SLIM” is supplied complete with:**

- Inertia generator;
- Cyclical valve complete with F.R.L. assembly and fastening semi-collars;
- Rilsan pipe (3 m long, 4 mm Ø);
- Standard raceway (not oil-proof) of your choice.

(The raceways are all supplied with deadening slab).

For proper operation, we suggest that the user carefully follow the few, but important, instructions in this manual.

## INSTALLATION

Fix the F.R.L. unit and connect it to the compressed air supply by means of an ON-OFF tap. Fill the oil cup with lubricant for pneumatic circuits and regulate the quantity of drops (one drop every 2 hours approx.).

We recommend: AGIP OTE45 – FIAT HTE46 – MOBIL DTE 26

**IT IS RECOMMENDED** to never unscrew the cups of the F.R.L. assembly while there is pressure inside.

Regulate the pressure to 4 bar max.

To vary the frequency, adjust the regulator located on the cyclical valve (fig. 1). We recommend 120 impulses a minute.

**IMPORTANT!** When regulating, avoid violent impacts on the limit switches of “**SLIM**” (these impacts may cause low scans). **DO NOT** tamper with the flow regulators located on the calibrated drains and sealed by Gamma Presse. Any tampering will nullify all warranties.

**INVERSION** of sliding direction.

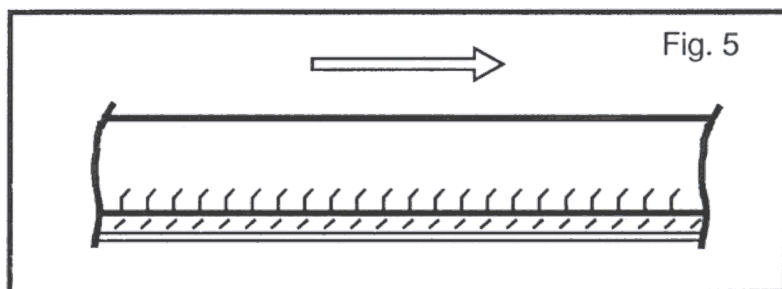
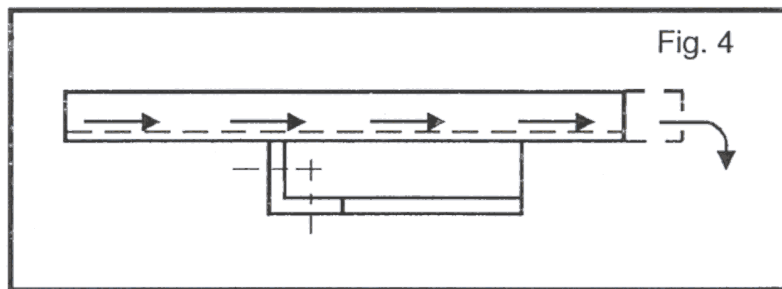
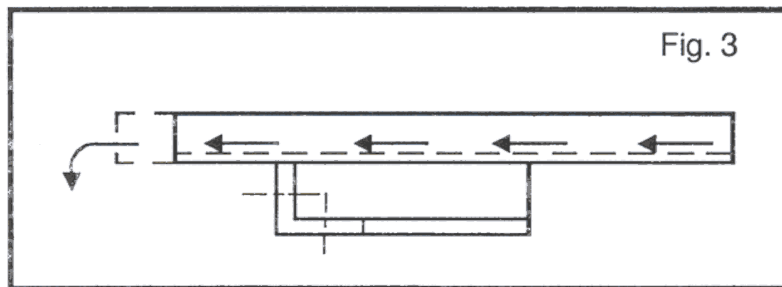
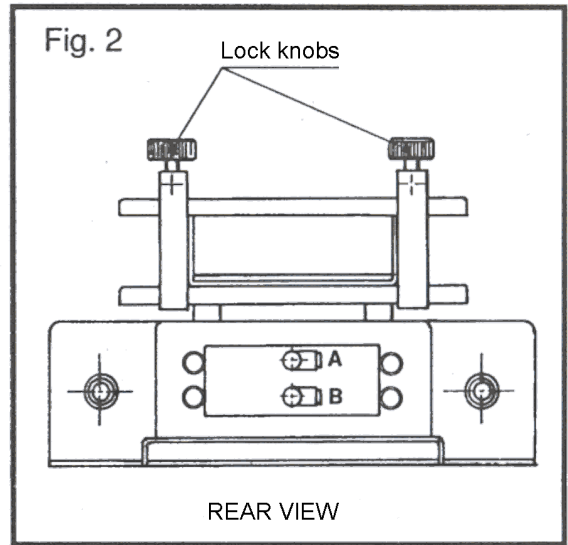
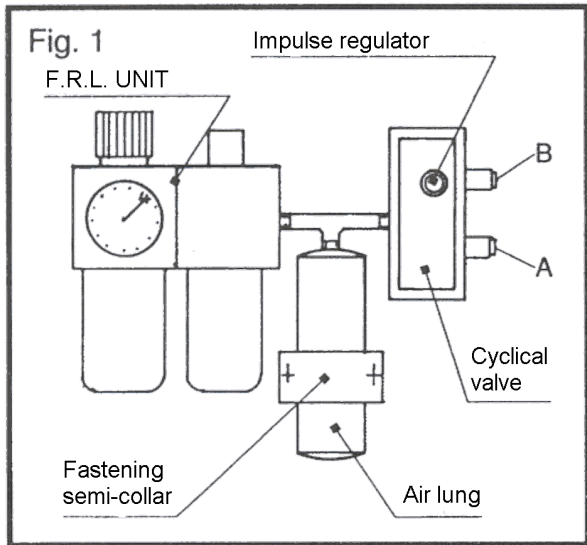
- By connecting the tubes in A with A and in B with B (fig. 1 and 2), you will obtain front sliding (fig. 3);
- By connecting tubes in B with A and in A with B (fig. 1 and 2), you will obtain rear sliding (fig. 4).

**POSITIONING** or changing raceway

- Loosen fastening knobs and slide into the desired position. Same procedure for replacing (fig. 2);
- Remember to close fastening knobs tightly.

**Oil-proof raceway** (where fitted)

The oil-proof raceway (to be requested when there are very oily scraps or oil dripping in the raceway) must be mounted with the spiking in the sliding direction (fig. 5).



## RACEWAYS for special needs

The user can easily build the raceways and regulate them forward and reverse according to his own needs.

- Minimum **PASSAGE** for raceway:
- Width = W raceway + 2 mm
- Height = H raceway + 2 mm

### EXAMPLE:

A raceway that is 120 mm wide and 30 mm high requires a usable port of at least 122 x 32.

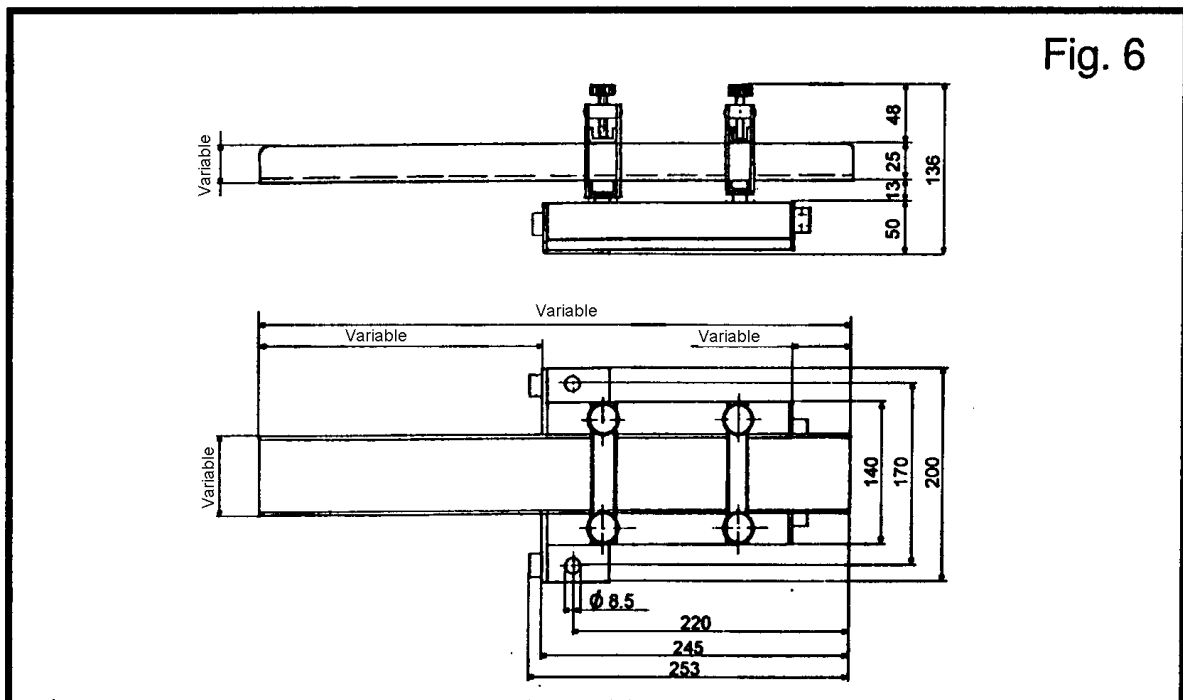
### Spare deadening **SLABS**

If spare slabs are needed, our deadening slabs are available in the standard dimensions, with two-side adhesive coating, ready to be fixed.

Or in sizes from 1 m x 0.5 m, without two-sided adhesive coating.

### OVERALL DIMENSIONS and distance between points for the fastening of “**SLIM mod. 2**” (see fig. 6.)

It is recommended to fix the apparatus to an adequately solid support or base.

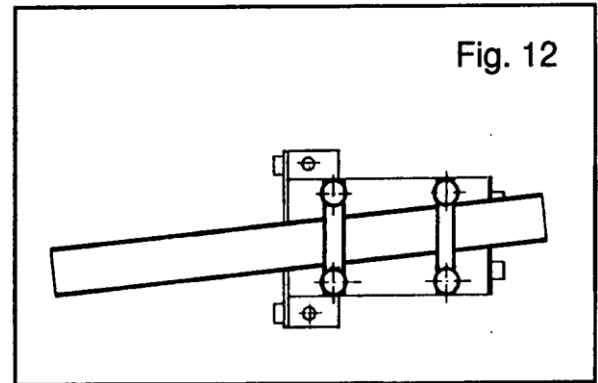
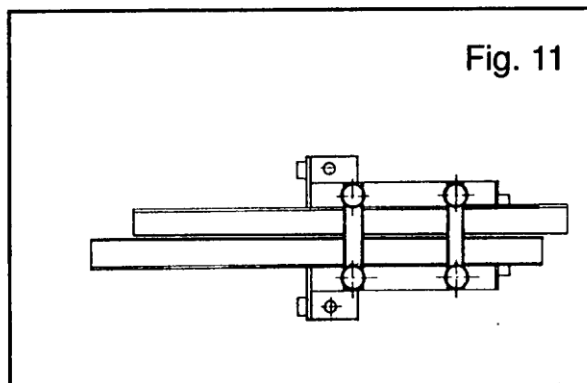
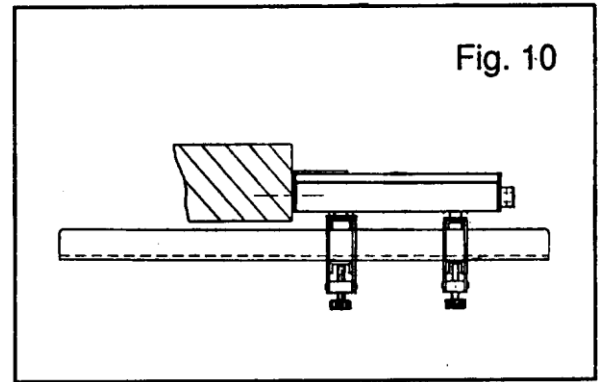
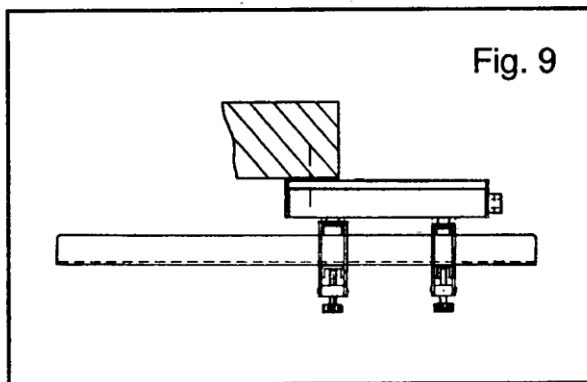
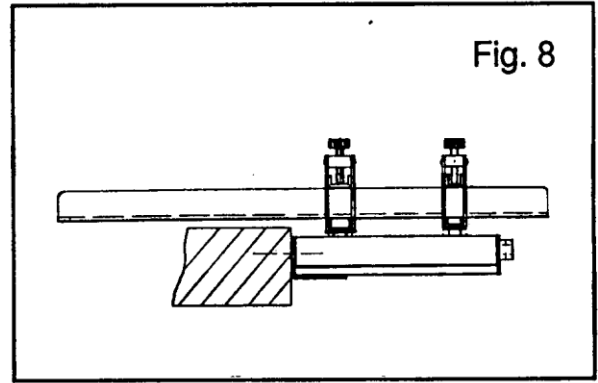
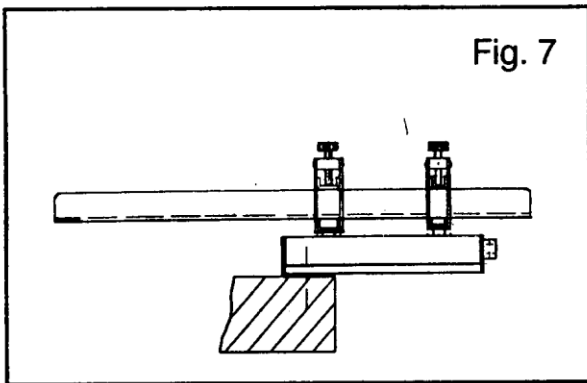


## SOME POSSIBILITIES FOR FASTENING

- to base (fig. 7)
- to front panel (fig. 8)
- to base upside-down (fig. 9)
- to front panel upside-down (fig. 10)

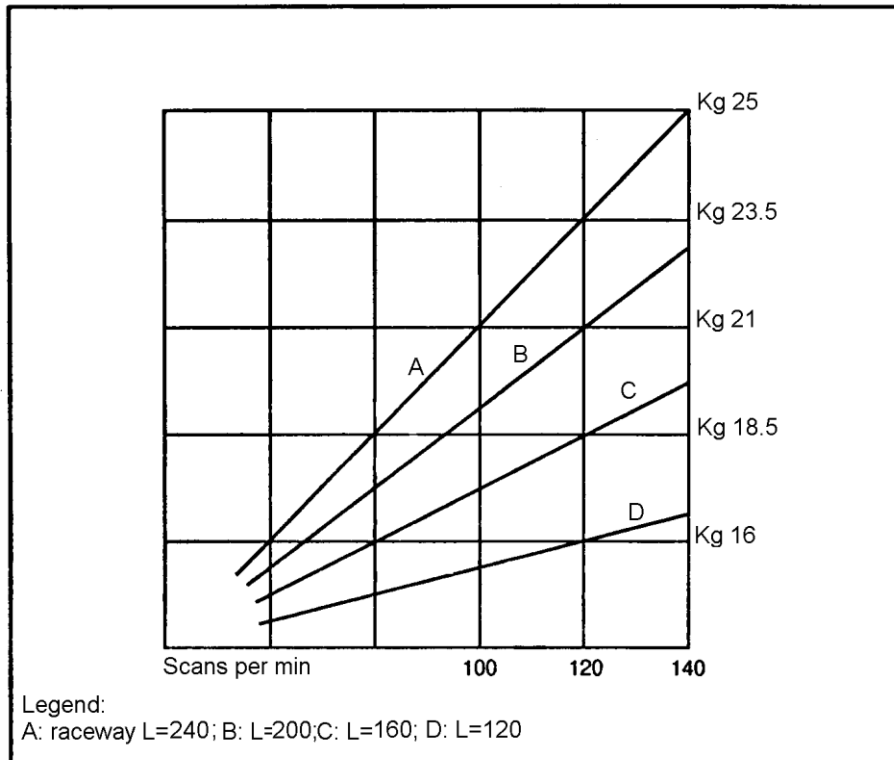
## EXAMPLES OF APPLICATION

- Double and staggered raceway (fig. 11)
- Inclined raceway (fig. 12)



### DIAGRAM OF EVACUATION CAPACITY IN Kg/min

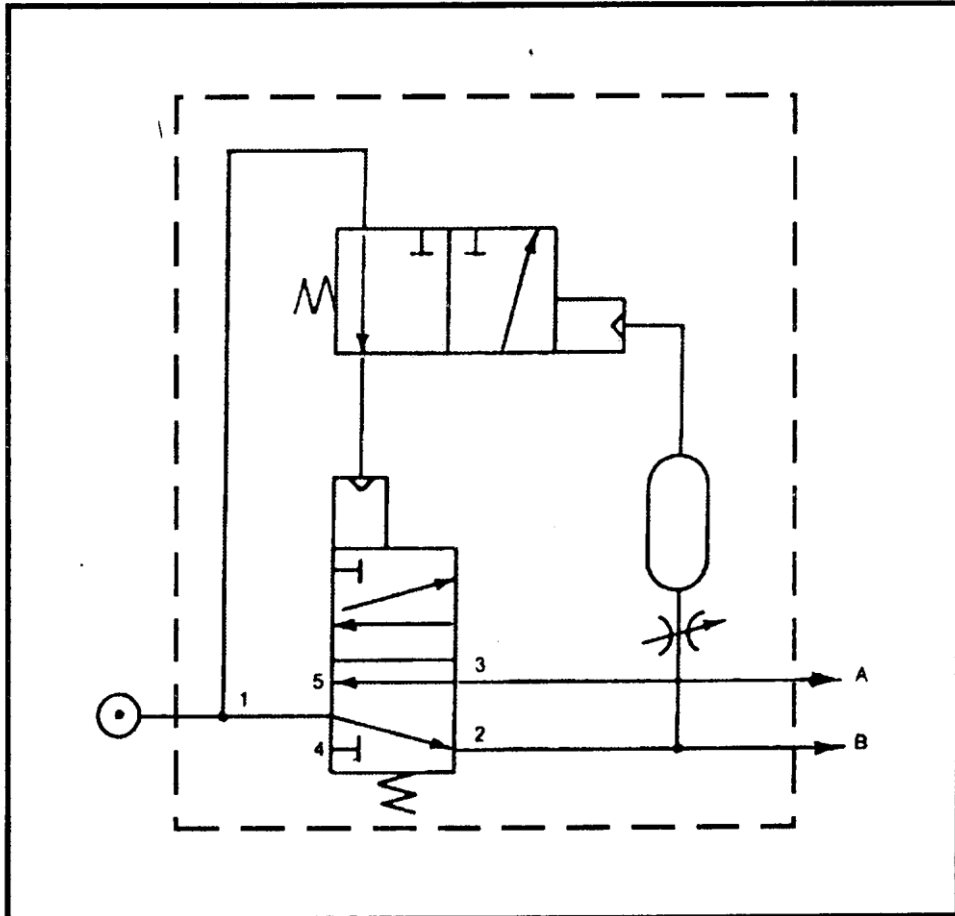
Data refers to oily scraps of different shapes and sizes, with pressure at 4 bar



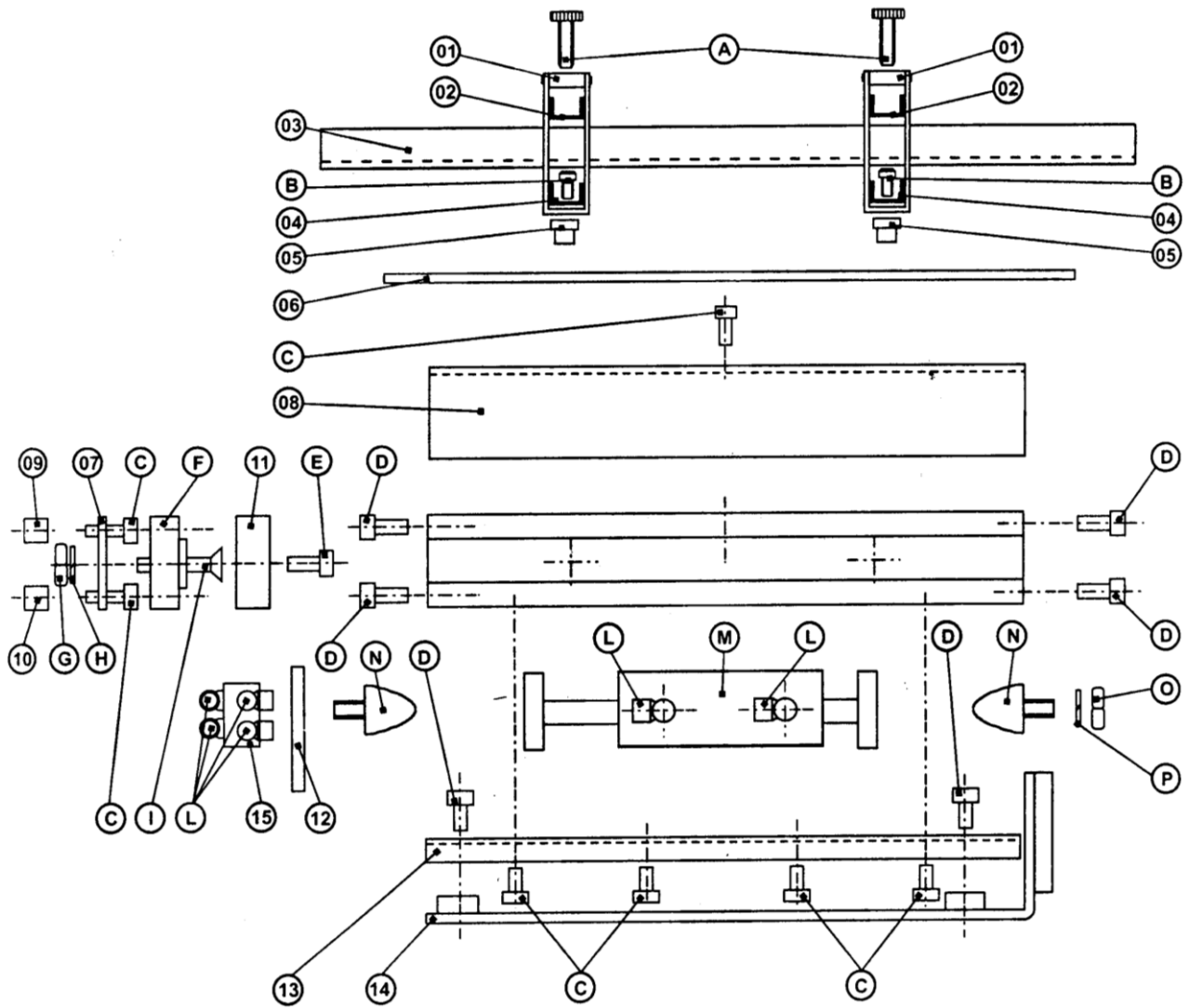
### AIR CONSUMPTION TABLE (expressed in liters)

	Scans per min	Consumption l/min
4 Bar	140	15.8
	130	14,7
	120	13,5
	110	12,4
	100	11,3
3,5 Bar	140	13.8
	130	12,8
	120	11,8
	110	10,8
	100	9,8
3 Bar	140	11,8
	130	11,0
	120	10,1
	110	9,3
	100	8,5

# PNEUMATIC DIAGRAM OF CYCLICAL VALVE







**LEGEND**

01	Locking unit	A	Knob
02	Upper bracket	B	Screws
03	Raceway	C	Screws
04	Lower bracket	D	Screws
05	Spacer	E	Screws
06	Guard	F	Ball guide
07	Roller unit holder	G	Nut
08	Lid	H	Grover Ø 5
09	Upper push rod	I	C'SUNK HD screw
10	Lower push rod	J	Rotating union

11	Towing assembly	K	Double cylinder
12	Upper head	L	Bumper
13	Base	M	Nut
14	Subbase	N	Grower Ø 6
15	Distribution frame		

Gamma System reserves the faculty to change the characteristics of its products without notice, for the purpose of improving the quality.

#### GAMMA SYSTEM PRODUCT'S.