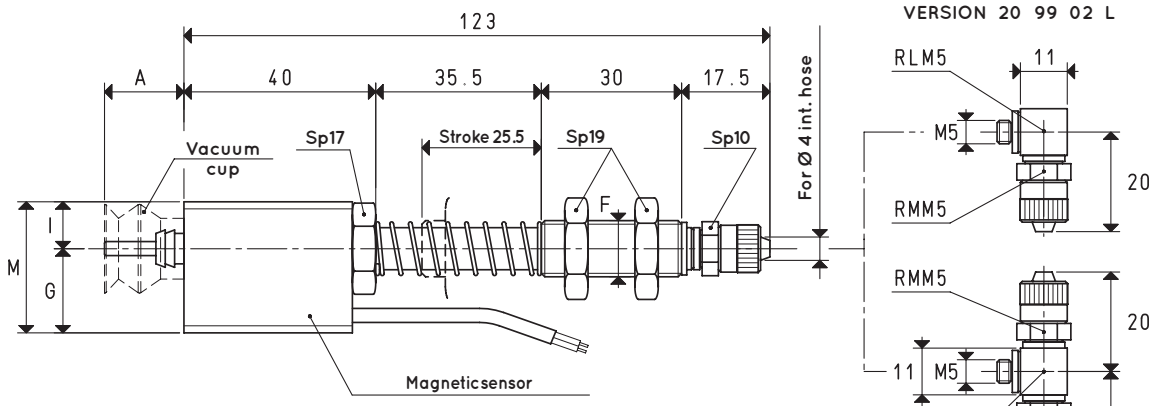
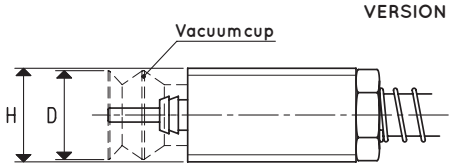
MINI VACUUM CUP MOUNT WITH MAGNETIC SWITCH

These cup holders share the same technical features at the other mini vacuum cup holders.
They are equipped with a magnetic sensor built into the cup holders to provide an electric signal to the machine every time the vacuum cup performs gripping.
This is the reason why they are recommended to be used on piece counter handlers, boxing machines and in all those cases in which the presence of the gripped object is to be guaranteed. These cup holders have been designed for gripping chocolate, snacks, croissants and similar products and they are currently made in the version represented on this page.
They are composed of:

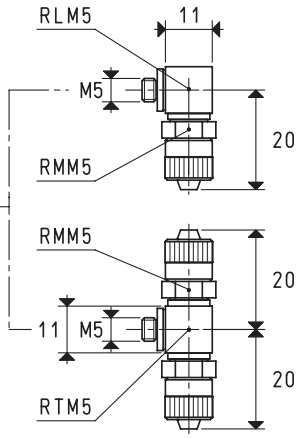
- A brass stem for fastening the cup;
- A threaded sleeve equipped with nuts, for mounting the vacuum up holder on the automation;
- A spring to cushion the impact of the cup and to, at the same time, maintain constant pressure with the load to be lifted;
- A quick coupling for connection with the suction hose;
- A magnetic sensor equipped with a 3-metre connection cable;
- An anodised aluminium body to protect the magnetic sensor.



VERSION 20 99 02

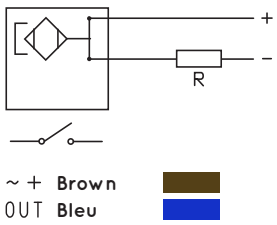


VERSION 20 99 02 L



VERSION 20 99 02 T

Characteristics and electrical specifications	20 99 02	20 99 03
Contact type	open	
Nominal voltage	3-130 VDC-VAC	
Voltage drop @ 10mA	0.1 V	
Max current	500 mA	
Max power	10 W	
Extra voltage protection	no	
Polarity reversal protection	yes	
Temperature	- 20 + 70°	
Protection rating IP 67	IP 67	



VACUUM CUP HOLDERS WITH STRAIGHT QUICK COUPLER FOR PLASTIC HOSE Ø 4 X 6

Item	Force Kg	Spring thrust force N	A	D Ø	F Ø	G	H	I	M	For vacuum cup item	Weight g
20 99 02	0.70	8.82	17	19	M12 x 1.25	18	20	10	28	01 19 17	163.3
20 99 03	1.23	8.82	16	25	M12 x 1.25	18	20	10	28	01 25 15	161.3
	1.76	8.82	17	30	M12 x 1.25	18	20	10	28	01 30 15	162.0

Note: The vacuum cup holder's lifting force depends directly on the vacuum cup model applied to it.
The vacuum cups are not integral parts of the cup holders and, therefore, must be ordered separately.
To order vacuum cup holders with L or T fittings, add the letter L or T to the code.

Note: The force of the vacuum cups indicated in the table represents 1/3 of the value of the theoretical force calculated at a level of vacuum of -75 KPa and a factor of safety 3.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$