

THANKS FOR YOUR PREFERENCE TO BINOTTO!

Binotto® MOUNTING INSTRUCTIONS END OF STROKE VALVE

(order code: KVLV_FC_G18-PNM_T6_25)

MI_KVLV_FC_G18-PNM_T6_25 • Rev. A • 22 SET 2014 • Pag.1

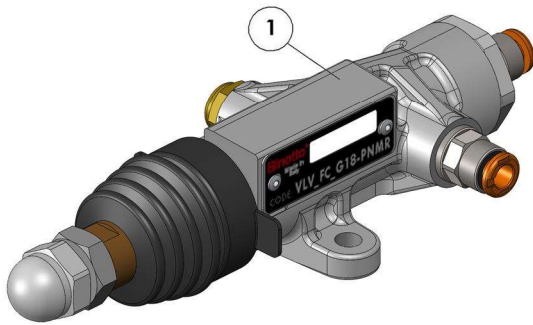


Fig.1

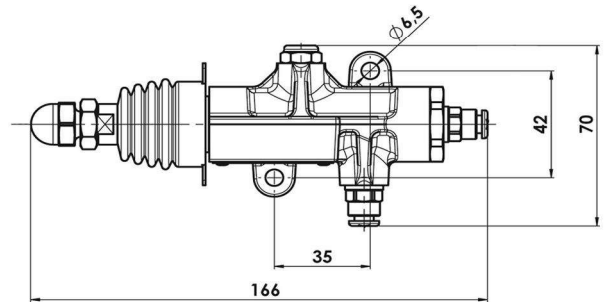


Fig.2

| REF | DESCRIPTION ITEM | Q.TY |
|-----|---------------------|------|
| 1 | End of stroke valve | 1 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Tab.1

| | | |
|--------------------|--------------|--|
| Maximum pressure | 12 bar | |
| Temperature of use | -40° / +140° | |
| Actuation | Pneumatic | |
| Feed tube | Ø6 mm | |
| Utilization tube | Ø6 mm | |
| | | |

Tab.2

1. FUNCTIONAL DIAGRAM

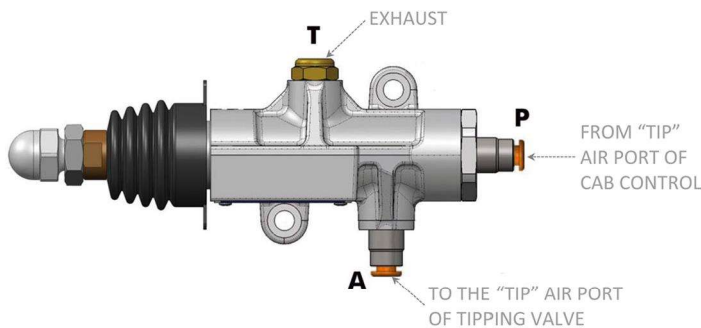


Fig.3

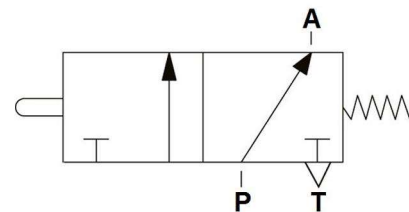


Fig.4

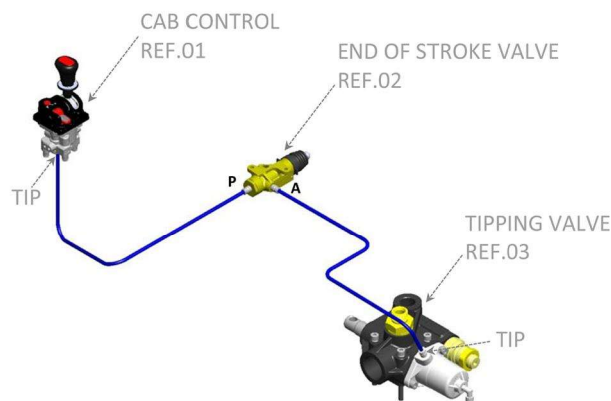


Fig.5

2. ADJUSTING THE POSITION OF TOUCH PROBE

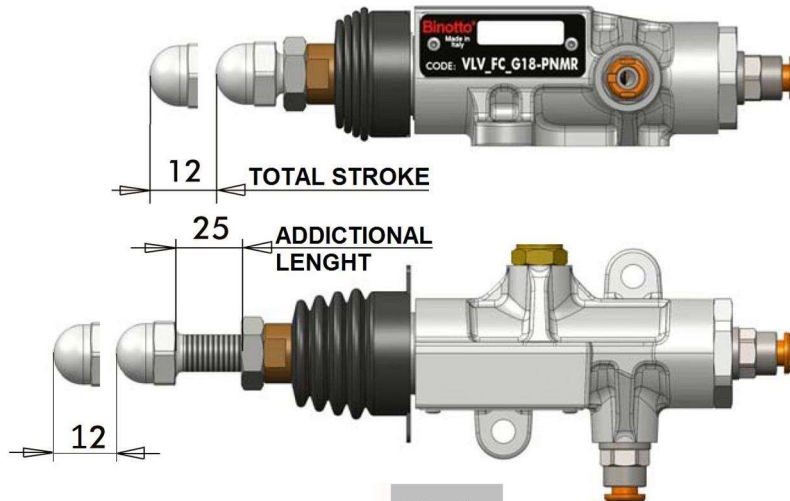


Fig.6

WARNING: DO NOT EXCEED THE MEASURE INDICATED OF 25 mm



The pneumatic end of stroke must be adjusted so that the cylinder will not reach its end of stroke even when tipping with max engine r.p.m. It is safe to leave always minimum 150 mm of unused cylinder stroke to let the end of stroke valve to operate.

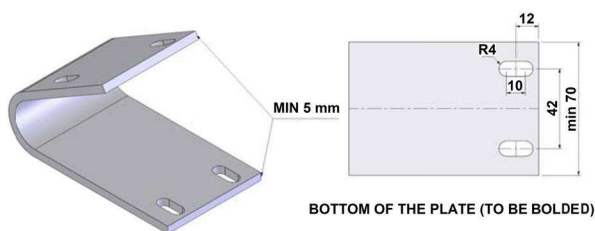


3. MOUNTING INSTRUCTIONS

- Lift the cylinder until you reach the required tipping angle (and in any case at least 150 mm before reaching the end of the stroke of the cylinder).
- Prop the body safely.
- Check the position where to fix the metal plate on the cross member. Position and angle of the metal plate must be decided in order to allow the button of the valve to operate at approximately 90° with the surface of the cylinder.
- Fix the metal plate with the button of the end of stroke already pushed at the required tipping angle;
- Test it few times in order to hear the hissing sound from the end of stroke valve and adjust(if you need) the mounting of the valve by using the slotted holes.

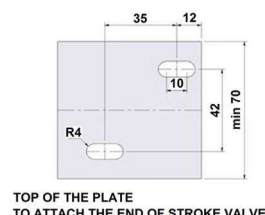
4. HOW TO PREPARE THE METAL PLATE

The metal plate can be attached to the cross member by fixing it with bolts (prepare slotted holes in case you will need to adjust it) or by simply welding it (see examples of metal plates in Figs. 7 and 8).



BOTTOM OF THE PLATE (TO BE BOLDED)

Fig.7



TOP OF THE PLATE TO ATTACH THE END OF STROKE VALVE

Fig.8

5. MOUNTING EXAMPLES



Fig.9



Fig.10

6. GENERAL RECOMMENDATIONS

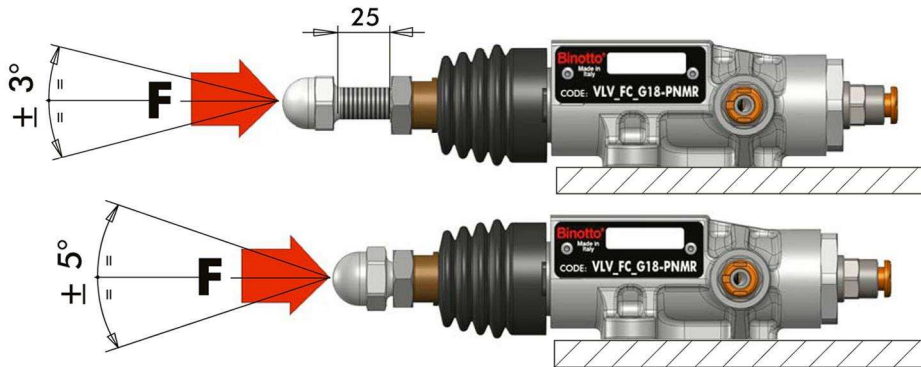


Fig.11



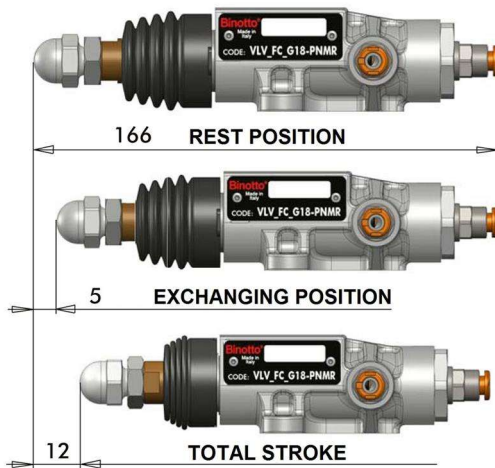
THE STRENGTH F OF ACTUATION IN KG MUST BE HIGHER THAN

$$10 + p \times 3.14$$

WHERE p IS THE AIR PRESSURE INDICATED IN BAR.



7. WORK POSITIONS



DO NOT REACH THE POSITION "TOTAL TROKE"
 TO AVOID DAMAGING THE END OF STROKE
 VALVE.



Fig.12