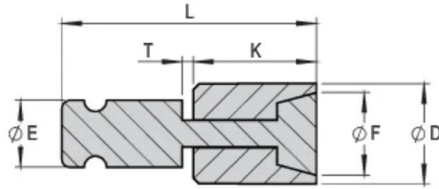


AIR POPPET VALVES

AIR POPPET VALVES – APPLICATIONS

VA



T = Max Valve Travel  
**Body Material:** Stainless Steel  
**Body Hardness:** 52-54 HRC  
**Valve Material:** DIN 1.2516  
**Valve Surface Treatment:** DLC  
**Max. Temp:** 130°C  
**Operating Air Pressure:** 4 bar min.  
 6 bar max  
**Dimensions:** All dimensions are in mm

REF	D	F	K <sup>+0.030</sup> <sub>0</sub>	L	E	T
		(approx)	body length	overall length		max travel
VA01	8 <sup>-0.015</sup> <sub>-0.026</sub>	6,6	11	24	6	1,0
VA02	12 <sup>-0.018</sup> <sub>-0.027</sub>	9,7	18	34	8	1,0
VA03	18 <sup>-0.018</sup> <sub>-0.027</sub>	14,8	22	45,5	12	1,0

All dimensions shown are in millimeters (mm).

**Installation Information**

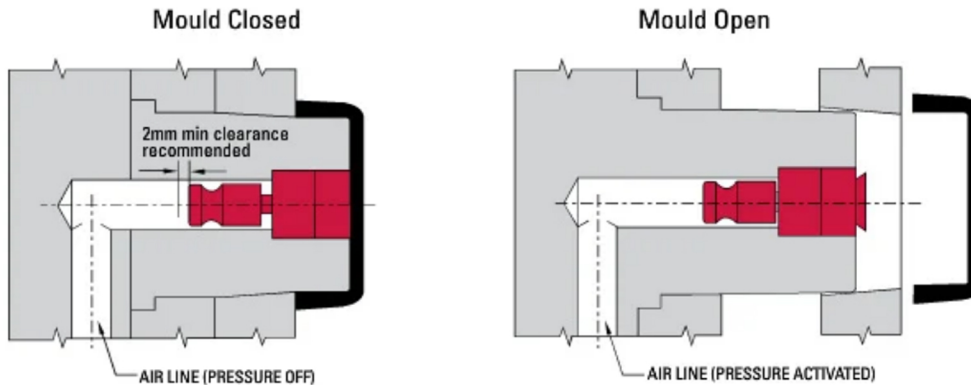
Press-fit installation required

Maintain a close tolerance press fit, as specified. Too loose a fit could allow the Air Poppet Valve to move out of position, while too tight a press fit could interfere with the movement of the valve

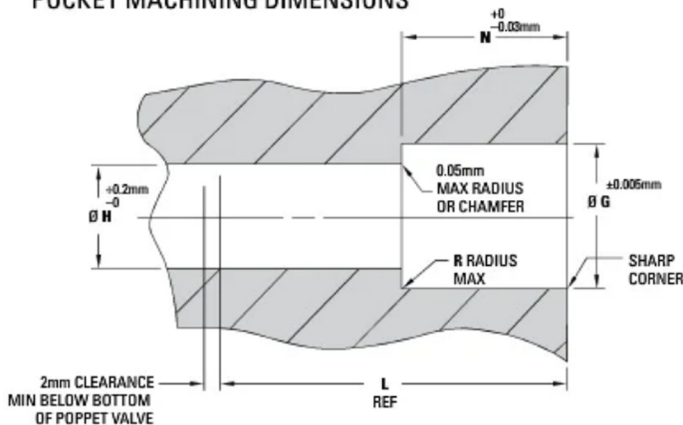
**NOTES:**

- Pressure to air line of Air Poppet Valve and machine ejection should be activated at the same time. This allows valve to relieve negative pressure build-up (vacuum) in the cavity during part ejection.
- The air flow to the poppet valve must be fully relieved to the atmosphere after each cycle to ensure that the poppet valve closes before the next injection cycle. Material injected into a partially open poppet valve could cause damage to the valve and/or the mould. Control valves and limit switches to be supplied by mouldmaker and/or moulder.
- The Air Poppet Valves should never be used as the sole means of part ejection. Material shrinkage and other factors will not allow it to be used as an alternative to ejector pins or stripper plates.
- Do not position Air Poppet Valve directly under hot drop.
- It is recommended do not work frontal surface of the valve

TYPICAL APPLICATION



POCKET MACHINING DIMENSIONS



REF	Ø G	N depth	Ø H	R	L ref
VA01	8	11	6.75	0.1	24
VA02	12	18	9	0.2	34
VA03	18	22	14	0.3	45.5

All dimensions shown are in millimeters (mm).