



Hydro-Pneumatic Intensifiers for Machining Centres (VMC & HMC)



Description

- The Hydro-Pneumatic Intensifier consists of a double acting Pneumatic cylinder & a hydraulic high pressure chamber. The Pneumatic cylinder piston rod is forced into the hydraulic chamber resulting in high pressure oil displacement.

Application

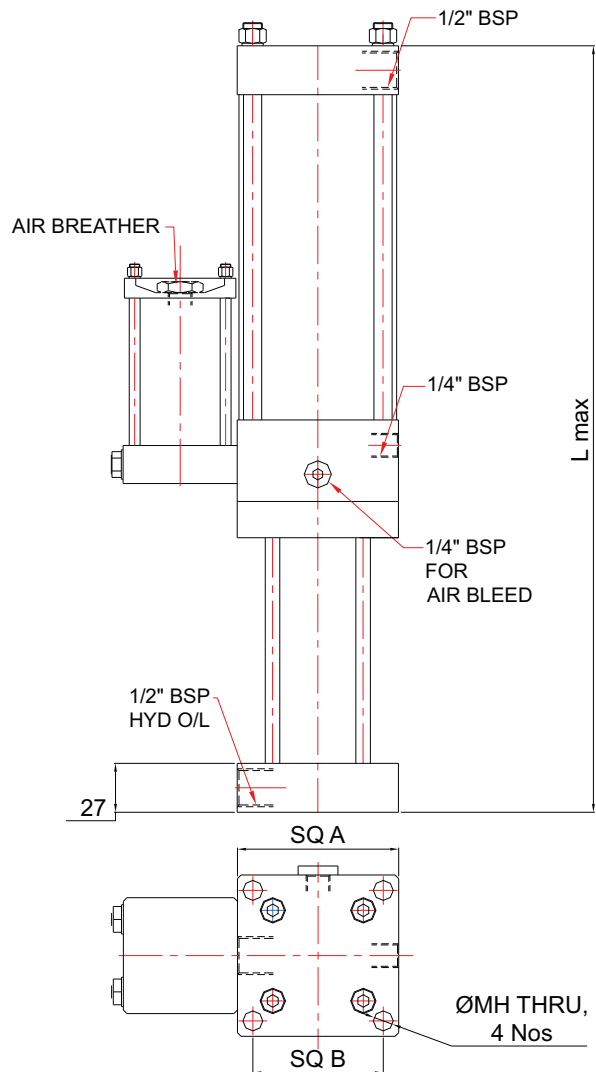
- For actuating the Tool De-clamping cylinders in machining centers.

Operation

- When compressed air is allowed into the positive chamber of the Pneumatic cylinder oil in the hydraulic side gets pressurized and is forced out. This oil operates the clamping cylinders. After changing the direction of air the pneumatic piston returns and the job gets de-clamped.

Important Notes

- Output pressure should not exceed 175 kg/cm^2
- This can be used to operate only single acting cylinders.
- For seal kits, add Prefix SK to part No.
- All dimensions are in mm.
- Overall dimensional tolerance $\pm 0.5 \text{ mm}$.



SUPPLY SPECIFICATION

Sl. No.	PART No.	INTENSIFICATION RATIO	OIL OUTPUT in cc	L	A	B	MH	OUTPUT PRESSURE @ 4 kg/cm ² AIR PRESSURE
1	1330-040-050	1:10	50	425	89	72	11	40
2	1330-040-100	1:10	100	625	89	72	11	40
3	1330-064-050	1:16	50	425	112	88	13	64
4	1330-064-100	1:16	100	625	112	88	13	64
5	1330-100-050	1:25	50	425	140	109	15	100
6	1330-100-100	1:25	100	625	140	109	15	100

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