

Preset valve(1000 603 800) is adjusted and locked to be mounted directly on the PB3 plasma generator.

The valve provides:

- quick connector for 6mm pneumatic tube
- limitation and damping of the gas flow
- air supply using simple flow/pressure characteristic line

Preset valve (1000 603 800) is used for:

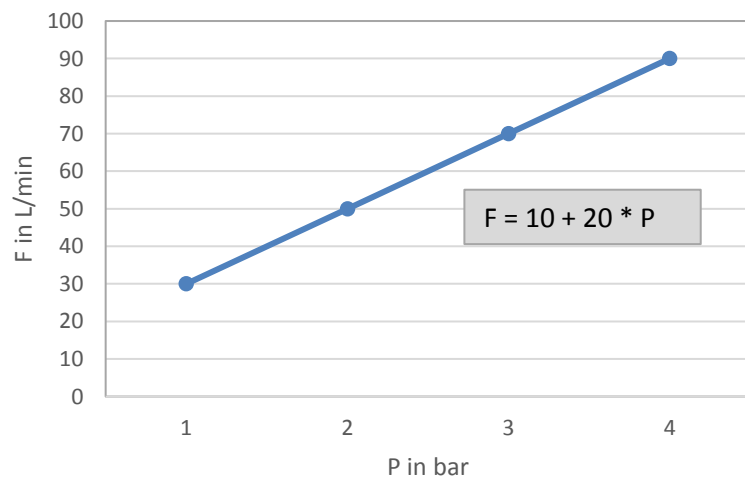
- simple air supply setup without active flow control
- pressure controlled air supply
- combination with manual pressure reducer and manometer
- combination with standard air service unit

Compressed air characteristic curve at room temperature

Pressure	Flow
1 bar	30 L/min
2 bar	50 L/min
3 bar	70 L/min
4 bar	90 L/min



Characteristic curve (CDA, T=25°C)



Mounting position of the valve on PB3

The characteristic curve is only valid if the preset lock is left unchanged and the length of the hose ($D_i=4\text{mm}$) is 1m. If a hose of 5 m length is used the pressure has to be increased by 10%. If the length of the hose is 10m the pressure has to be increased by 20%.