

Single Station Blow Molding Machine GS-2L-I / GS-5L-I / GS-10L-I / GS-16L-I



Single-station blowing machines include four series of GS-2L-I, GS-5L-I, GS-10L-I, and GS-16L-I. Machine is suitable for production of high quality container with medium output. It specializes in the manufacture of PE/PP containers of up to 16L, with from one to six fold die head, for use in the packaging of petroleum, cosmetics, chemicals, pharmaceuticals, food, toys and auto-parts.

| Specification | | GS-2L-I | GS-5L-I | GS-12L-I | GS-16L-I |
|-----------------------------|------|-------------|---------------|------------|-------------|
| Material | | PE、PP... | PE、PP... | PE、PP... | PE、PP... |
| Max.container capacity | L | 2 | 5 | 12 | 16 |
| Number of die | set | 1、2、3、4 | 1、2、3、4 | 1、2、3、4 | 1、2、3、4 |
| Machine Dimension | m | 2.5×1.6×2.4 | 2.9×1.85×2.65 | 4.2×2.95×3 | 4.8×3.2×3.1 |
| Total weight | ton | 4 | 5 | 7 | 8 |
| Accumulator head | | GS-2L-I | GS-5L-I | GS-12L-I | GS-16L-I |
| Number of die heating | zone | 3 | 3 | 3 | 4 |
| Power of die heating | KW | 4.2 | 5.8 | 6-7 | 6-7 |
| Max die-pin diameter | mm | 60 | 80 | 140 | 140 |
| Center distance of twin-die | mm | 130 | 160 | 240 | 260 |
| Center distance of tri-die | mm | 85 | 110 | 160 | 180 |
| Center distance of four-die | mm | 65 | 85 | 120 | 130 |

| Clamping Unit | | GS-2L-I | GS-5L-I | GS-12L-I | GS-16L-I |
|----------------------------|---------------------|----------------|----------------|-----------------|-----------------|
| Clamping force | KN | 38 | 70 | 110 | 155 |
| platen opening stroke | mm | 158-410 | 209-510 | 209-620 | 219-600 |
| platen size | mm | 290×320 | 350×380 | 460×500 | 500×490 |
| Max mould size | mm | 320×320 | 400×380 | 560×500 | 600×500 |
| Mould thickness | mm | 160-240 | 210-300 | 220-380 | 210-380 |
| Extruder Unit | | GS-2L-I | GS-5L-I | GS-12L-I | GS-16L-I |
| Screw diameter | mm | 50 | 60 | 70 | 75 |
| Screw L/D ratio | L/D | 24:1 | 24:1 | 24:1 | 25:1 |
| Extruding Volume | Kg/hr | 30-50 | 60-80 | 100-120 | 100-130 |
| Number of heating zone | zone | 3 | 3 | 3 | 4 |
| Extruder heating power | KW | 3-4.4 | 5-6.6 | 6-8.2 | 7.3-8.6 |
| Extruder driving power | KW | 11-15 | 15-18.5 | 22-30 | 22-30 |
| Power | | GS-2L-I | GS-5L-I | GS-12L-I | GS-16L-I |
| Oil pump drive power | KW | 5.5 | 7.5 | 11 | 11 |
| Fan power for screw | KW | 0.25 | 0.25 | 0.25 | 0.6 |
| Total power | KW | 22 | 32 | 41 | 52 |
| Air pressure | Mpa | 0.6 | 0.6 | 0.6 | 0.6 |
| Air consumption | m ³ /min | 0.4 | 0.6 | 0.8 | 0.8 |
| Average energy consumption | KW | 12 | 18 | 22 | 24 |