



EXTRUSION  
ISO 9001:2008 



**FK/ABF-100G/75G-L**

## **TWO LAYER BLOW MOULDING MACHINE ACCUMULATOR HEAD TYPE**

**with inline auto deflashing unit**

*Suitable for making 200/220 lt L ring drum and  
120/150/200 lt open top barrel drum.*



**Extrusion Excellence**

## Standard Attachments

- Grooved feed extruder suitable to work with ultra high molecular weight HDPE.
- European or Taiwan made helical gearbox with thrust bearing of SKF #29430E/#29426E.
- Main drive with ac motor and vector inverter.
- Extruder height adjustable 300mm; Forward/backward distance 1000mm.
- Unscrew Function for blow pin unit for inner thread neck.
- LK type clamp unit of 6 locking device.
- Proportional valve for injection speed as well as locking system.
- Safety device with photo cell fixed on two sides of clamp platens.
- Robot arm to take the finished product out from clamp area to inline auto deflashing device.
- Slide chute to collect the finished product.

## Optional Attachments

- Safety fence made of metal grid with interlock device for electric/hydraulic/pneumatic system.
- Post cooling unit with alum mold to shorten cycle time and stabilize drum quality.
- Vertical cutting saw.
- Strong crusher completed with turbo blower and silo tank.
- Water chiller and air compressor.
- Blow mould and injection cap molds.
- Partial wall thickness system (PWDS) from Feuerherm, Germany with SFDR to reduce drum weight 5-6% and improve cycle time 8-10%.

## Technical Data

| Model           | Unit  | FK/ABF-100G/75G-L |
|-----------------|-------|-------------------|
| Products Volume | Liter | 200 - 220         |

### Extruder

|                         |         |                     |
|-------------------------|---------|---------------------|
| Screw Diameter          | mm      | 100 / 75            |
| Screw L/D               |         | 30                  |
| Main Drive              | HP      | 125 / 75            |
| Extrusion Capacity      | kg / hr | Total 420 300 / 170 |
| Barrel Cooling          | kW      | 2.34 / 1.235        |
| Heating Zone            |         | 5 / 4               |
| Barrel Heating Capacity | kW      | 32.4 / 20.6         |

### Accumulator head: four spiral flow channel

|                         |          |           |
|-------------------------|----------|-----------|
| Accumulator Capacity    | Liter/Kg | 25 / 17.5 |
| Heating Zone            |          | 6         |
| Heating Capacity        | kW       | 77        |
| Die Lip Diameter (Max.) | mm       | 370       |

One size provided as standard within above range

### Clamping unit: Tie-barless & free access for mold in/out

|                      |     |            |
|----------------------|-----|------------|
| Series               |     | LK1412     |
| Clamping Force       | ton | 70         |
| Clamping Distance    | mm  | 820 - 1720 |
| Mold Platen (Height) | mm  | 1400       |
| Mold Platen (Width)  | mm  | 1270       |

### Hydraulic unit: High & low pressure circuit with nitrogen accumulator for energy saving

|                           |                    |               |
|---------------------------|--------------------|---------------|
| Pump Drive                | HP                 | 25 + 7.5 / 40 |
| Clamping Pressure (Max.)  | kg/cm <sup>2</sup> | 140           |
| Injection Pressure (Max.) | kg/cm <sup>2</sup> | 160           |

### Utilities

|                           |                    |                 |
|---------------------------|--------------------|-----------------|
| Air Consumption           | m <sup>3</sup> /hr | 120 - 180       |
| Air Pressure              | Kg/cm <sup>2</sup> | 6 - 8           |
| Total Power Consumption   | kW                 | 344             |
| Average Consumption       | kW/hr              | 138             |
| Space for Machine (LxWxH) | m                  | 7.7 x 4.3 x 6.5 |

■ All specifications, design and characteristics shown above are subject to change without prior notice.



PWDS



Post cooling unit

