



## Gas Injection Worldwide

# Gas Pressure Controller

## GPC FX-1 FX-2

Low cost, versatile  
and compact

### Description

Gas Injection Worldwide's FX range of gas controllers consists of either a single circuit (GPC FX-1) or a dual circuit (GPC FX-2) gas system with two circuits each independently controlled.

The single valve system is housed together with the PLC controller in a comparatively small enclosure, with the additional (second) valve in its own gas control module (GCM) separate housing. Both valves are operated from a convenient portable handset, which includes a 192 x 64 pixels LCD display for setting and monitoring of gas pressure / time conditions.

The electro-magnetic solenoid gas valves are based on a robust advanced design of German manufacture.

The GPC FX system is ideal for molders running a single injection molding machine from a bottled Nitrogen supply or for multi-machine installations from a central high pressure Nitrogen supply.

### Features and Benefits

- **Compact** space saving enclosure
- **Easy to operate** - hand-held push button control
- **Versatile** - control valves may be located near to the mold minimising gas usage when using shorter high pressure connecting pipes
- **Low investment cost** for a single machine with either one or two circuit installation
- **Flexible** - can be used with Nitrogen gas bottles and Gas Pressure Booster system (GB A5)



GPC FX-2



GPC FX-1

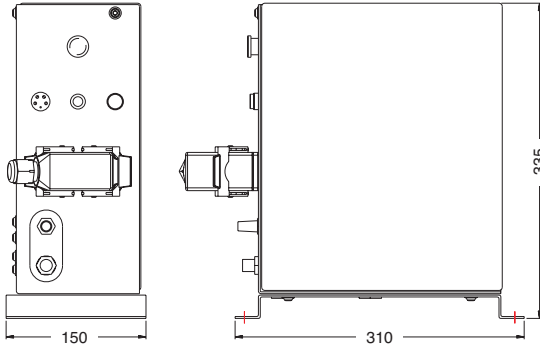
For details on our whole product range or to request a brochure, please visit our website: [www.gas-injection-ww.com](http://www.gas-injection-ww.com)

# Gas Pressure Controller

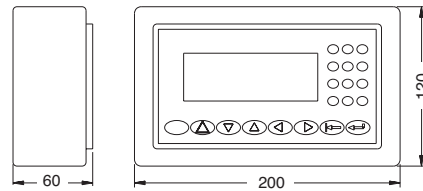
## GPC FX

### General Information

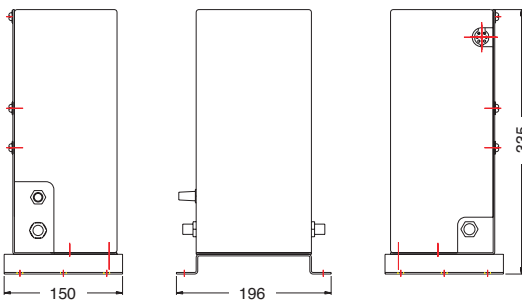
#### GPC FX



NET WEIGHT : 15 Kg

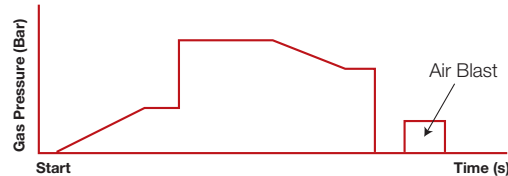


#### GCM



NET WEIGHT : 12 Kg

Typical gas pressure/molding cycle diagram



Advanced electromagnetic solenoid gas valves coupled with a sophisticated control system enable the operator to have effective control over the gas molding process. Up to five Pressure Profiles can be set with individual control of ramp and gas hold times available. An 'Air Blast' program may be included to ensure gas pins remain free from blockages.

### Specifications

Maximum working pressure:	350 bar
Mains power requirement:	24VDC
Power Consumption:	<0.1KW

### Gas Connections

GPC FX / GCM Gas Inlet:	1/4" ISO standard parallel female
GPC FX Gas Outlet:	1/4" ISO standard parallel male
GCM Outlet:	1/4" ISO standard parallel female

### Standard Connections Kits

GPC FX-1:	1/4" Flexible Hose-2M Length with connector (1pcs) 2mm ID Flexible Hose-6M Length with connector (1pcs)
GPC FX-2:	1/4" Flexible Hoses-1M and 2M Length with connectors 2mm ID Flexible Hose-6M Length with connector (2pcs)



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