

GPC 1400 – 20/1400 mbar



General technical data

Product description:	Gas pressure regulator with pressure meter, with Moduteck modulating regulation system and with manual override
Productcode:	012.025
Model:	HLX24SR/902VE
Fuel type:	LP gas, propane, butane, natural gas
Maximum supply pressure:	20 bar
Normal Supply pressure:	min 2000 mbar (2 bar) till max 3000 mbar (3 bar)
Outlet pressure:	modulating from 20 – 1400 mbar (fixed settings)
Capacity:	30 kg/h, 24 m3/h
Connection gas inlet:	1/4" (female)
Connection gas outlet:	3/8" (female)
Size:	190 x 150 x 130 mm
Weight:	1,2 kg
Working Temperature:	-20 till +50 Celsius
Power supply:	24V AC (+/-20%) 50/60Hz (or 24V DC +/-10%)
Control signal Y:	0-10V DC @ input resistance 100kOhm
Operating range:	2-10V DC
Power consumption:	2W (4VA)
Connecting cable:	1 meter x 3x 0,75 mm2
Running time:	80 till 110 sec
Protection class:	III (safety low voltage)
Protection degree:	IP54
Ambient humidity:	Class D to DIN 40040
EMC:	Acc. 89/336/EEC, 92/31/EEC and 93/68/EEC
Sound power level:	35 dB(A)

Application

Low to medium pressure regulator for gassy fluids like LPG, (butane, propane), natural gas, compressed air. The regulation pressure is adjusted by the valve motor on top of the regulator. To ensure correct operation, the upstream pressure (Pin on the regulator) must be guaranteed to be within the recommended limits (2,0 – 3,0 bar) throughout the entire flow rate field (Q on the product).

Construction

Body and top made of aluminium alloy. Membrane and gasket made of elastomer resistant to LPG and natural gas.

Connections

The arrow indicating the direction of the gas flow is stamped under the regulation body.

Fitting

Outdoor installation is preferable. The up-stream pipe work must be cleaned before connection to the regulator. We recommend fitting a filter up-stream. When the circuit is opened, check the seal with a soapy liquid for leakage. Never fit the unit with the motor upside down, all other positions are allowed. Be sure that the regulator is fitted free of tension after installation. Make sure by outdoor installation that the system is carefully protected against water, moisture and other weather influences.

Regulation

The regulating is done with the motor on top of the regulator by varying the voltage between 0-10V DC.

Precautions

Only persons with the necessary competence concerning the type of gas and required function may perform the installation and regulation.

Maintenance

Maintenance free. We recommend replacing the product after 10 years of use.

Manual override

In case the regulator motor is broken, the system can be manually adjusted. Push un-locking knob downwards to disconnect the motor internally. Turn the handle on the desired position and release the un-locking knob again.

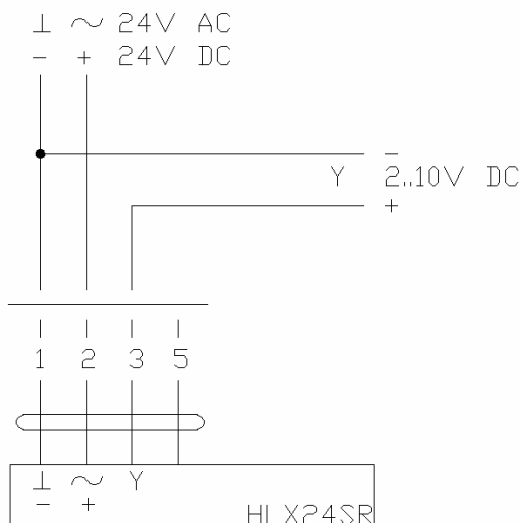
The regulator motor

The motor is overload proof, requires no limit switches and stops automatically when the end stop is reached.

Power

The power supply shall be via a safety isolating transformer. The enclosure of the motor and equipment may only be opened by the manufacturer. It contains no parts which the user can replace or repair.

Electrical connecting diagram



Keep this instruction sheet for future reference.

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