

LONG-DISTANCE PIPELINE TRANSMISSION EQUIPMENT

Pressure Regulating System

Pressure Regulating System is a gas pressure control device widely used in natural gas long-distance pipeline compressor and transmission stations as well as city gate stations. It typically consists of a sequence of “safety shut-off valve + monitor regulator + activity control valve” connected from upstream to downstream, and the entire system adopts a modular design. Under normal operating conditions, both the safety shut-off valve and the monitor regulator remain fully open, while the activity control valve the downstream outlet pressure. If the activity control valve fails and cannot maintain the downstream outlet pressure, the monitor regulator automatically takes over the pressure control function. If the monitor regulator also fails, the safety shut-off valve closes rapidly to cut off the gas flow, ensuring the overall safety and protection of the system.

The configuration of Pressure Regulating System including “Safety Shut-off Valve + Safety Shut-off Valve + Activity Control Valve”. And the activity control valve can be chosen regulator and electrical / pneumatic control valve.

