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Polix Instruction Sheet

A) Model designation(s) and alternative forms.

Polix KPC-G series is a range of flanged ball valves with lever handles and is approved for use on gas

The model Polix KPC-G is also available with a square adaptor cap. This allows the valve to be operated with an extension key when the ball valve is installed below ground level.

B) Size and rated working pressure in kPa

The sizes available are DN32, DN40, DN50, DN65, DN80, DN100, DN125 & DN150. A DN200 ball valve is also available, but this is not within the range approved for use on gas.

C) Bypass rate if applicable

Not applicable

D) Temperature limitations

Polix KPC-G series ball valves have a working temperature range of -20°C to +60°C

E) Mounting limitations

No mounting limitations – both size flow is possible

F) Type of valve

Type 1 Ball Valve

G) Wiring diagram showing external connections

No electrical connection present

H) Electrical rating i.e. voltage, frequency, current

No electrical connection present

I) Method of operation, adjustments and applications

Polix ball valves are operated by turning the lever handle 90° between the stops. When the lever handle is against a stop and the centreline of the handle is in line with the centreline of the valve, then the valve is fully opened. Conversely, if the lever handle is against a stop and the centreline of the handle is at 90° to the centreline of the valve, then the valve is fully closed.

J) Fault diagnostic and servicing

Polix ball valves should not require servicing
Do not attempt to repair faulty valve, replace if faulty

K) Thread or flange specifications as applicable or jointing procedure in accordance with the appropriate standards (e.g. AS/NZS 1477, AS 2944.1, AS 2944.2, AS 3723)

These ball valves come standard with DIN PN16 flange connections. However, other flange drillings e.g. ANSI150, Table 'D' or Table 'E' (AS 2129) may be available in sizes above DN65 on request.

L) Type of lubricant and/or sealant as applicable

Lubricant for gas appliances CERITOL PG 3 F (DIN EN 377)

M) Details of assembly and/or adjustments to be carried out by installer

When installing the valve, rubber insertion gaskets or gaskets of a material approved by the AGA should be inserted between the flange of the valve and the pipe flange. The holes in the gasket should match the holes drilled in the flanges. The valve should be fixed into the line using appropriate size bolts, washers and nuts. No adjustments to the valve are required.