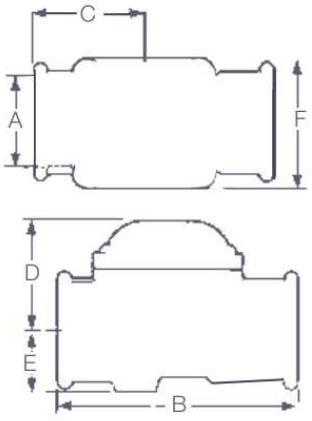


JV080061

(Rollchek)

Gas Duty
Swing Type
Check (Non-Return) Valve

Screwed BS21 Rc
Flanged PN16

A JV080061 check (non-return) valve is a means of preventing a reverse flow and must be fitted (Gas Act 1972) in the gas line where air at higher pressure is mixed with fuel gas prior to combustion and many types of industrial burners.

Non-return valves should also be fitted in the corresponding air line where there is a possibility of the pressure falling below that of the gas, a condition frequently encountered when starting up.

Larger sizes of non-return valves can be fitted on the outlet side of the gas meter to give general protection and smaller sizes should be fitted on the inlet pipe to any appliance where gas and air are mixed.

Failure to fit non-return valves in these circumstances can result in an explosive gas/air mixture being formed within the pipework. Honeywell non-return valves, which give a positive seal under all conditions of reverse pressure up to 7 barg, provide complete protection from such explosions.

Features & Benefits

- Suitable for natural gas duty
- Standard to IM/14
- Leak tight seal
- Inlet strainer
- Pressure points
- Low pressure drop
- Horizontal installation only

Pressure & Temperature

Working pressure max:-
7 Bar

Temperature Range:-
-10°C to 60°C

DN	50	80	80	100	150
A	Screwed 2" BS21	Screwed 3" BS21	Flanged PN16	Flanged PN16	Flanged PN16
B	195	200	241	292	356
C	90	90	120	146	178
D	111	111	111	134	192
E	53	53	-	-	-
F	165	165	165	188	235
Weight Kg	8.7	13	16	23	43

Pressure Loss

Valve Maximum Capacity Gas Velocity based on nominal pipe sizes, must not exceed 75m/s (245 ft/s).At S.T.P. Conditions the pressure drop may be obtained directly from the graph.
For other pressure conditions the following formulae apply:

Pressure Drop

H (mbar) x $\frac{1.013}{Pu\ (bar)}$ m bar

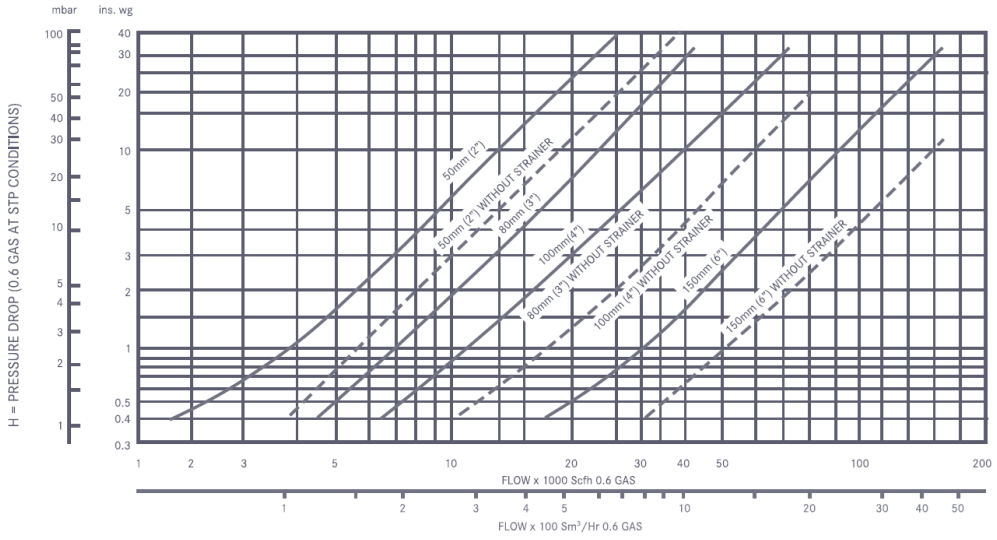
or

H (in WG) x $\frac{14.07}{Pu\ (psi)}$ in WG

Where

H = pressure drop from graph
Pu = Upstream pressure

Performance



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