



*Member of the FM Global Group*

# Certificate of Compliance

This certificate is issued for the following:

Angle Hose Valves, Model 32xx  
(Refer to table below)

**Prepared for:**

Knowsley SK Limited  
Centrepont  
Marshall Stevens Way  
Trafford Park  
Manchester M17 1AE  
United Kingdom

**Manufactured at:**

Knowsley SK Limited  
Centrepont  
Marshall Stevens Way  
Trafford Park  
Manchester M17 1AE  
United Kingdom

FM Approvals Class: 1362, 1521

Approval Identification: 0003043986

Approval Granted: September 27, 2012

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

*For more than 160 years FM Approvals has partnered with business and industry  
to reduce property losses.*

A handwritten signature in dark ink, appearing to read 'Richard B. Dunne', written over a horizontal line.

Richard B. Dunne  
Group Manager -Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062



## Certificate of Compliance

Model	Component Description	Maximum Rated Working Pressure, psi (kPa)	Nominal Size, in (mm)
3220	Bib-Nose Body Pattern 3 or 4 inch Class 150 or 300 ANSI Flange x BS336 Female Instantaneous Connection	232 (1600)	3 x 2-1/2, 4 x 2-1/2 (DN80 x DN65, DN100 x DN65)
3221	Bib-Nose Body Pattern Threaded Male (NPT, BSP, NST) x BS336 Instantaneous Connection	232 (1600)	2-1/2 (DN65)
3223	Bib-Nose Body Pattern 3 or 4 inch Class 150 or 300 ANSI Flange x Threaded Male (NPT, BSP, NST) Connections	232 (1600)	3 x 2-1/2, 4 x 2-1/2 (DN80 x DN65, DN100 x DN65)
3224	Bib-Nose Body Pattern Threaded Male (NPT, BSP, NST) x Threaded Male (NPT, BSP, NST)	232 (1600)	2-1/2 (DN65)
3230	Oblique Body Pattern 3 or 4 inch Class 150 or 300 ANSI Flange x BS336 Female Instantaneous Connection	232 (1600)	3 x 2-1/2, 4 x 2-1/2 (DN80 x DN65, DN100 x DN65)
3231	Oblique Body Pattern Threaded Male (NPT, BSP, NST) x BS336 Instantaneous Connection	232 (1600)	2-1/2 (DN65)
3233	Oblique Body Pattern 3 or 4 inch Class 150 or 300 ANSI Flange x Threaded Male (NPT, BSP, NST) Connections	232 (1600)	3 x 2-1/2, 4 x 2-1/2 (DN80 x DN65, DN100 x DN65)
3234	Oblique Body Pattern Threaded Male (NPT, BSP, NST) x Threaded Male (NPT, BSP, NST)	232 (1600)	2-1/2 (DN65)
3240	Horizontal Body Pattern 3 or 4 inch Class 150 or 300 ANSI Flange x BS336 Female Instantaneous Connection	232 (1600)	3 x 2-1/2, 4 x 2-1/2 (DN80 x DN65, DN100 x DN65)



## Certificate of Compliance

Model	Component Description	Maximum Rated Working Pressure, psi (kPa)	Nominal Size, in (mm)
3241	Horizontal Body Pattern Threaded Male (NPT, BSP, NST) x BS336 Instantaneous Connection	232 (1600)	2-1/2 (DN65)
3243	Horizontal Body Pattern 3 or 4 inch Class 150 or 300 ANSI Flange x Threaded Male (NPT, BSP, NST) Connections	232 (1600)	3 x 2-1/2, 4 x 2-1/2 (DN80 x DN65, DN100 x DN65)
3244	Horizontal Body Pattern Threaded Male (NPT, BSP, NST) x Threaded Male (NPT, BSP, NST)	232 (1600)	2-1/2 (DN65)



*Member of the FM Global Group*