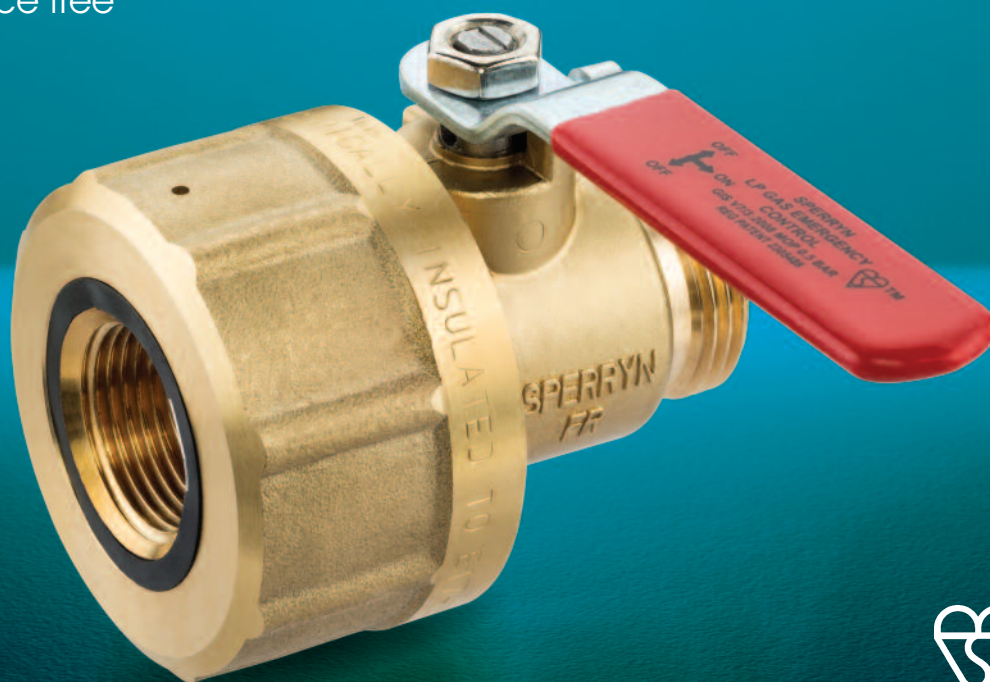


NEW

SPERRYN
GAS CONTROLS 

Electrically Insulated Fire Proof Emergency Control Valves*

- 🔥 Monobloc ECV & electrical insulation joint
- 🔥 Fire resistant & BSI kitemark certified
- 🔥 Ensures full compliance to GIS
- 🔥 Lightweight & compact design
- 🔥 Maintenance free



GIS/V7-3:2014 *Patent pending
KM 524821 for new design

FROM MAINS TO METER

CRANE

BUILDING SERVICES & UTILITIES

Features & Benefits

Sperryn, a leading brand of Crane Building Services & Utilities, is a well established manufacturer of gas controls, including regulators, emergency control valves and meter kits. Together with its sister brand, WASK, Sperryn is a market leading supplier of 'Mains to Meter' gas solutions.

This new electrically insulated design is an extension to Sperryn's proven portfolio of Fire Proof Emergency Control Valves that have been used by the gas distribution networks for over 15 years - a range offering the safest and best long-term solution for the UK gas industry

01 BSI Kitemark Certified to GIS / V7-3:2014

02 Patented internal self-sealing mechanism ensures compliance with BS 1552:1995 fire resistance requirements. Remains operable after a fire.

03 Ensures compliance with regulations and removes requirement for fitting of separate insulation joint

04 Will ensure a more compact installation and therefore easier to employ in confined spaces

08 Maintenance free - The unit remains sealed throughout its operable life, reducing whole life cycle costs

A Better Solution



Typical Installation

Current (ECV + IJ) Solution:

Weight: 875gms
Length: 175mm
Diameter: 52mm

Sperryn Solution

Sperryn Electrically Insulated ECV:

Weight: 800gms
Length: 77mm
Diameter: 60mm*

* within swing radius of valve handle

07 Saves time and related cost as it negates the need for the additional work procedure

06 Removes an additional site made joint and potential leak path

05 Lighter unit weight than current solution (see above) - saving on transportation costs and reducing carbon footprint

*Patent pending for new design

Electrically Insulated Fire Proof Emergency Control Valve



FEATURES AND BENEFITS

- BSI Kitemark Certified to GIS / V7-3:2014
- Patented internal self-sealing mechanism ensures compliance with BS 1552:1995 fire resistance requirements
- Remains operable after a fire
- Ensures compliance with regulations and removes requirement for fitting of separate insulation joint
- Will ensure a more compact installation and therefore easier to employ in confined spaces
- Lighter unit weight than current solution (see left) - saving on transportation costs and reducing carbon footprint
- Removes an additional site made joint and potential leak path
- Saves time and related cost as it negates the need for the additional work procedure
- Maintenance free - The unit remains sealed throughout it's operable life, reducing whole life cycle costs capability for long-term operation



SPECIFICATIONS

PART NUMBER	TYPE	INLET CONNECTION	OUTLET CONNECTION	MOP
F832AKS	Straight	3/4" Female BSP Taper	3/4" Male BS746	500 mbar

MATERIALS

COMPONENT	MATERIAL
Body	Brass
Nut	Brass
'O' Rings	Nitrile
Ball	Brass Chrome Plated
Handle	Zinc Plated Steel
Seals	PTFE
Primary Insulator	Ceramic

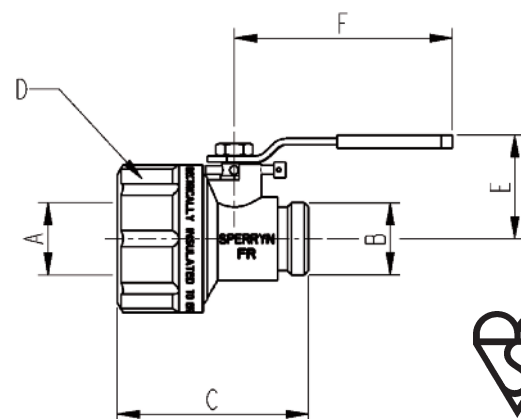
PERFORMANCE

OPERATING TEMPERATURE	-20° C to +60° C
OPERATING TORQUE'S	0.5 to 3.5 Nm
WORKING PRESSURE	500 mbar
ENDURANCE	2500 cycles
ELECTRICAL INSULATION	2 kV AC
ELECTRICAL RESISTANCE	500 V DC > 500 MΩ

DIMENSIONS

PART NUMBER	DIMENSIONS						WEIGHT
	A	B	C	D	E	F	
F832AKS	3/4"	3/4"	77	60	42	90	800

DIMENSIONAL DRAWING



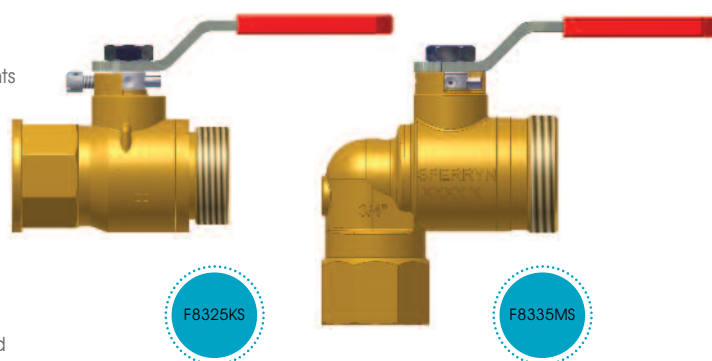
GIS/V7-3
KM 524821

PLEASE NOTE: A 1/2" square drive socket tool (BE0046) to aid installation is available upon request.

Ball Type Fire Proof Emergency Control Valves

FEATURES AND BENEFITS

- BSI Kitemark Certified to GIS / V7-3:2014
- Patented internal self-sealing mechanism ensures compliance with BS 1552:1995 fire resistance requirements and remains operable after a fire
- Maintenance free - the unit remains sealed throughout its operable life
- Wide pressure range - low pressure maximum operating pressure: 500mbar, medium pressure maximum operating pressure: 5 bar
- Independent Valve Stop Mechanism - ensures the valve is safe if the handle is removed
- Integral Lug and Locking Screw - enables secure isolation of valve in closed position, only even if handle is removed
- Proven track record - the valves have a well established capability for long-term operation



SPECIFICATIONS

PART NUMBER	TYPE	INLET CONNECTION	OUTLET CONNECTION	MOP
F8310KS	Straight	3/4" Female BSP Taper	3/4" Female BSP Taper	500 mbar
F8310NS	Straight	1" Female BSP Taper	1" Female BSP Taper	500 mbar
F8312KS	Straight	3/4" Female BSP Taper	3/4" Male BSP Taper	500 mbar
F8325KS	Straight	3/4" Female BSP Taper	3/4" Male BS746	500 mbar
F8325MS	Straight	1" Female BSP Taper	3/4" Male BS746	500 mbar
F8329KN	Straight	3/4" Female BSP Taper	3/4" Rc Inverted Cone (60 degrees)	5 bar
F8329KS	Straight	3/4" Female BSP Taper	3/4" Rc Inverted Cone (60 degrees)	5 bar
F8329MS	Straight	1" Female BSP Taper	3/4" Rc Inverted Cone (60 degrees)	5 bar
F8335MS	Angled	3/4" Female BSP Parallel	1" Male BS746	500 mbar
F8339KS	Angled	3/4" Female BSP Taper	3/4" Rc Inverted Cone (60 degrees)	5 bar

MATERIALS

COMPONENT	MATERIAL
Body	Brass
End Fittings	Brass
O Rings	Nitrile
Ball	Brass Chrome Plated
Handle	Zinc Plated Steel
Seals	PTFE

PERFORMANCE

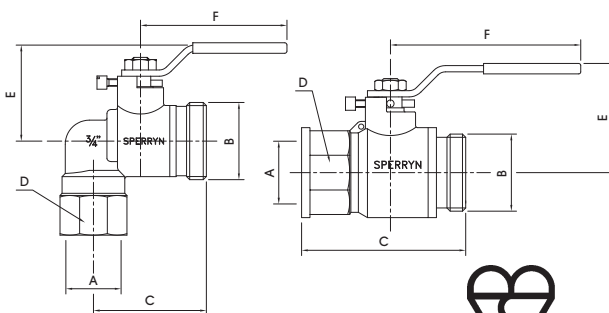
OPERATING TEMPERATURE	-20 °C to +60 °C
OPERATING TORQUES	0.5 to 3.5 Nm
WORKING PRESSURE	(LP)500 mbar
	(MP)5 bar
ENDURANCE	2500 cycles

DIMENSIONS & WEIGHTS

PART NUMBER	DIMENSIONS						WEIGHT
	A	B	C	D	E	F	
F8310KS	3/4"	3/4"	71.5	31	42	90	350
F8310NS	1"	1"	86	40	51	90	635
F8312KS	3/4"	3/4"	73.5	31	42	90	330
F8325KS	3/4"	3/4"	65	31	42	90	330
F8325MS	1"	3/4"	70	40	42	90	395
F8329KN	3/4"	3/4"	68	31	42	90	325
F8329KS	3/4"	3/4"	68	31	42	90	325
F8329MS	1"	3/4"	73	40	42	90	395
F8335MS*	3/4"	1"	54.5	31	45.5	68	435
F8339KS*	3/4"	3/4"	55.5	31	45.5	68	405

*Angled version only

DIMENSIONAL DRAWINGS



GIS/V7-3
KM 524821



To visit our Video Library go to:
www.youtube.com/user/CraneBSU



SPERRYN GAS CONTROLS



46-48 WILBURY WAY, HITCHIN,
HERTFORDSHIRE, SG4 0UD

TELEPHONE: +44 (0)1462 443225
FAX: +44 (0)1462 443311
EMAIL: sperrysales@cranebsu.com
www.sperryn.co.uk



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- Designed and manufactured under quality management systems in accordance with BS EN ISO 9001-2008

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