

Black Teknigas Combustion Range

Gas Safety Shut-Off Valves



GAS SAFETY SHUT-OFF VALVES

POWERSEAT® ECO ELECTRO HYDRAULIC GAS SAFETY SHUT OFF VALVE

The Powerseat® electro-hydraulic gas shut-off valve allows the control and safety shut-off of low pressure combustible gases in pipes from 40mm to 250mm, whilst focusing on being energy efficient and environmentally friendly. The Powerseat® Eco shut-off valve is kept open by a hydraulic pump where hydraulic fluid is forced into a cylinder driving the valve open.

New and improved features

- LED to display "ON" and "Manual Re-set Required" status
- Increased environmental protection to IP56 equivalent
- Manual re-set switch incorporated on all versions
- IP67 equivalent rating option available. (increased cost)
- Screwless quick connections for installation of electrics
- Volt free contacts for BMS connection

Power consumption

- Uses just 6% of the power of a comparable magnetic solenoid valve
- Reduced electricity running costs: Uses just a fraction of the energy required by permanently energized magnetic solenoid valves
- Improved energy efficiency from previous model, reduced from 26VA to 10VA

Environmental factors

- Around 768kg less carbon emissions than with a comparable magnetic solenoid valve
- Saves equivalent carbon emissions of 3,758 miles in a car.

Quality

- 3 year warranty as standard
- UK manufactured
- EC certified
- IP54 standard:
 - Dust protected - no harmful deposit
 - Splash protected - from any direction
- Certified to EN161, Class A Group 2 construction

POWERSEAT® ECO ELECTRO HYDRAULIC GAS SAFETY SHUT OFF VALVE

Aluminium Body - Screwed Connections

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
PE6683110V	1.1/2" BSP 110V, Aluminium Body, Screwed	each	858.00
PE6684110V	2" BSP 110V, Aluminium Body, Screwed	each	885.00
PE6685110V	2.1/2" BSP 110V, Aluminium Body, Screwed	each	915.00
PE6686110V	3" BSP 110V, Aluminium Body, Screwed	each	929.00
PE6683230V	1.1/2" BSP 230V, Aluminium Body, Screwed	each	831.00
PE6684230V	2" BSP 230V, Aluminium Body, Screwed	each	858.00
PE6685230V	2.1/2" BSP 230V, Aluminium Body, Screwed	each	888.00
PE6686230V	3" BSP 230V, Aluminium Body, Screwed	each	902.00



POWERSEAT® ECO ELECTRO HYDRAULIC GAS SAFETY SHUT OFF VALVE

Cast iron Body - Flanged Connections

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
PE6685FL4110V	6685 FL 110V 65mm, Cast Iron Body, Flanged	each	1162.00
PE6686FL4110V	6686 FL 110V 80mm, Cast Iron Body, Flanged	each	1323.00
PE6687FL4110V	6687 FL 110V 100mm, Cast Iron Body, Flanged	each	1460.00
PE6689FL4110V	6689 FL 110V 150mm, Cast Iron Body, Flanged	each	2347.00
PE6685FL4230V	6685 FL 230V 65mm, Cast Iron Body, Flanged	each	1135.00
PE6686FL4230V	6686 FL 230V 80mm, Cast Iron Body, Flanged	each	1296.00
PE6687FL4230V	6687 FL 230V 100mm, Cast Iron Body, Flanged	each	1433.00
PE6689FL4230V	6689 FL 230V 150mm, Cast Iron Body, Flanged	each	2320.00



POWERSEAT® ELECTRO HYDRAULIC GAS SAFETY SHUT OFF VALVE

Cast iron Body - Flanged Connections. 8" & 10" available in Powerseat® specifications.

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BC66810FL4110V	66810FL 110V 200mm, Cast Iron Body, Flanged	each	6759.00
BC66811FL4110V	66810FL 110V 250mm, Cast Iron Body, Flanged	each	8386.00
BC66810FL4230V	66810FL 230V 200mm, Cast Iron Body, Flanged	each	6732.00
BC66811FL4230V	66810FL 230V 250mm, Cast Iron Body, Flanged	each	8359.00

GAS SAFETY SHUT-OFF VALVES

Powerseat® ELECTRO-HYDRAULIC VALVES - SPARE PARTS

OPTIONAL EXTRAS	DESCRIPTION	UNIT	PRICE £
BC668*/SWa	Open Position Switch	each	52.25
	110V 50Hz AC version +	each	27.00

ACCESSORIES	DESCRIPTION	UNIT	PRICE £
BC66RS	PowerSet Manual Reset Switch (Integral)	each	63.25
BC66RSR	PowerSet Manual Reset Switch (Remote)	each	103.75
BC66ETF	PowerLink Thermal Fuse	each	17.25
BC66MRF	PowerLink Resettable Thermal Fuse	each	154.86
BC66ESB	PowerSev Emergency Switch (Die-cast)	each	105.60
BC66ESB/P	PowerSev Emergency Switch (Plastic)	each	11.45
BC66ESB/K	PowerSev Emergency Switch - Key op	each	12.55



Spares for series 660x, 662x and 664x are no longer available.

Series 666x and 668x

PRODUCT CODE	SIZE/STYLE	VOLTAGE	UNIT	PRICE £
BC668S 110V	BC6663, 6664, 6683, 6684	110V 50Hz AC	each	628.51
BC668S 230V	BC6663, 6664, 6683, 6684	230V 50Hz AC	each	595.75
BC668LS 110V	BC6665, 6666, 6685, 6686	110V 50Hz AC	each	743.90
BC668LS 230V	BC6665, 6666, 6685, 6686	230V 50Hz AC	each	721.00
BC668HS 110V	BC6685FL4, 6686FL4	110V 50Hz AC	each	796.20
BC668HS 230V	BC6685FL4, 6686FL4	230V 50Hz AC	each	759.30
BC6687S 110V	BC6687FL4	110V 50Hz AC	each	932.70
BC6687S 230V	BC6687FL4	230V 50Hz AC	each	904.15
BC6689S 110V	BC6689FL4	110V 50Hz AC	each	1319.20
BC6689S 230V	BC6689FL4	230V 50Hz AC	each	1289.20
BC66810S 110V	BC66810FL4	110V 50Hz AC	each	3103.35
BC66810S 230V	BC66810FL4	230V 50Hz AC	each	3079.65
BC66811S 110V	BC66811FL4	110V 50Hz AC	each	3986.90
BC66811S 230V	BC66811FL4	230V 50Hz AC	each	3973.85

Powerseat® Accessories

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
N101706000	Thermal Fuse for BC66ETF	each	2.30

Provengas Automatic Gas Proving System - Spare Part

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
PGLSPAN	Labsafe Control Panel	each	350.00
PGCSPAN	Cooksafe Control Panel	each	350.00
PGLS/CSTRAN	Pressure Transducer for Labsafe/Cooksafe	each	385.00
KEYPGSMED	Spare Key for Labsafe/Cooksafe	each	9.10

SOLENOID GAS SAFETY SHUT-OFF VALVES

PROVENGAS AUTOMATIC GAS PROVING AND ISOLATION SYSTEM

A range of gas proving systems for use on schools, laboratories & kitchens.
Used in conjunction with Gas Safety Shut-off Valves approved to BS EN 161.
Essential for use in all locations where manual gas controls can cause the possibility of leakage and/or explosion, etc.

See BS EN 6715 for requirements in catering establishments.



PRODUCT CODE	Description	UNIT	PRICE £
PGCS003	ProvenGas 'Cooksafe' Proving System	each	624.52
PGLS001	ProvenGas 'Labsafe' Proving System	each	598.02

SERIES 2000 SOLENOID OPERATED VALVES

Series 22 - Vent Valve, Normally Open (i.e. not a Safety Shut-off Valve).
Gas Families 1, 2 & 3.
Cast Aluminium Bodies.
Closure within 1 sec. of power being applied.

Fast Opening - Full Wave Rectified, with Flow Adjustment

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2005 230V	3/4" BSP	each	155.12
2006 230V	1" BSP	each	155.85
2007 230V	1.1/4" BSP	each	230.80
2008 230V	1.1/2" BSP	each	231.62
2009 230V	2" BSP	each	289.05



Fast Opening - Full Wave Rectified, with Flow Adjustment and CPI

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2005 230VC	3/4" BSP	each	285.05
2006 230VC	1" BSP	each	290.55
2007 230VC	1.1/4" BSP	each	341.20
2008 230VC	1.1/2" BSP	each	345.35
2009 230VC	2" BSP	each	479.90

Other Voltages and Accessories

PRODUCT CODE	SIZE/STYLE	UNIT	ADDITIONAL PRICE
110V 50Hz	Change 230V to 110V - extra	each	10%
24V 50Hz	Change 230V to 24V - extra	each	10%
N101717100	PG11 Cable Gland for all Series 2000 Valves	each	3.00

SOLENOID GAS SAFETY SHUT-OFF VALVES

TEKNI SOLENOID OPERATED VALVES

Series 24 to 29 - Gas Safety Shut-off Valves, Normally Closed.

Gas Families 1, 2 & 3.

Brass Bodies - 1/8" & 1/4".

Aluminium Bodies - Remainder.

Series 24 - Class "B", Half Wave Rectified (*Class "A")

Single Bodied Valves

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2411001-00	1/8" BSP *	each	78.41
2421001-00	1/4" BSP *	each	78.17
2431211-00	3/8" BSP	each	71.59
2441211-00	1/2" BSP	each	71.59



Double Bodied "Multifunctional" Valves

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2432112-00	3/8" BSP - 2 Safety Shut-off Valves	each	116.05
2442112-00	1/2" BSP - 2 Safety Shut-off Valves	each	116.83
2433112-00	3/8" BSP - 2 Safety Shut-off Valves and Governor	each	145.79
2443112-00	1/2" BSP - 2 Safety Shut-off Valves and Governor	each	143.94
2435112-00	3/8" BSP - 1 Safety Shut-off Valve and Governor	each	121.02
2445112-00	1/2" BSP - 1 Safety Shut-off Valve and Governor	each	117.51



Series 25 - Class "B", Full Wave Rectified (* Class "A") - Single Bodied Valves

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2511001-00	1/8" BSP *	each	91.12
2521001-00	1/4" BSP *	each	91.12
2531211-00	3/8" BSP	each	91.15
2541211-00	1/2" BSP	each	91.15

Double Bodied "Multifunctional" Valves

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2532000-00	3/8" BSP - 2 Safety Shut-off Valves	each	156.09
2542000-00	1/2" BSP - 2 Safety Shut-off Valves	each	156.09
2533112-00	3/8" BSP - 2 Safety Shut-off Valves and Governor	each	176.39
2543112-00	1/2" BSP - 2 Safety Shut-off Valves and Governor	each	174.55

SOLENOID GAS SAFETY SHUT-OFF VALVES

TEKNI SOLENOID OPERATED VALVES

Series 28 - Class 'A' - Single Bodied Valves

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2811001-00	1/8" BSP *	each	85.60
2821001-00	1/4" BSP *	each	85.36
2831211-00	3/8" BSP	each	80.70
2841211-00	1/2" BSP	each	80.70
2851211-00	3/4" BSP	each	121.29

Double Bodied 'Multifunctional' Valves

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2832112-00	3/8" BSP - 2 Safety Shut-off Valves	each	135.11
2842112-00	1/2" BSP - 2 Safety Shut-off Valves	each	135.88
2833112-00	3/8" BSP - 2 Safety Shut-off Valves and Governor	each	164.84
2843112-00	1/2" BSP - 2 Safety Shut-off Valves and Governor	each	163.00

Series 29 - Class 'A' - Single Bodied Valves

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
2911001-00	1/8" BSP *	each	85.28
2921001-00	1/4" BSP *	each	85.28
2931211-00	3/8" BSP	each	87.73
2941211-00	1/2" BSP	each	87.73

SOLENOID OPERATED VALVES - SPARE PARTS

New Series 2000.

Fast Opening.

PRODUCT CODE	SIZE/STYLE	VOLTAGE	UNIT	PRICE £
20056S 230V	BC2005/2006 + 'C' models	230V 50Hz AC	each	112.47
20056S 110V	BC2005/2006 + 'C' models	110V 50Hz AC	each	121.39
20056S 24V	BC2005/2006 + 'C' models	24V 50Hz AC	each	121.39
20078S 230V	BC2007/2008 + 'C' models	230V 50Hz AC	each	178.26
20078S 110V	BC2007/2008 + 'C' models	110V 50Hz AC	each	194.33
20078S 24V	BC2007/2008 + 'C' models	24V 50Hz AC	each	194.33
2009S 230V	BC2009 + 'C' models	230V 50Hz AC	each	201.31
2009S 110V	BC2009 + 'C' models	110V 50Hz AC	each	219.21
2009S 24V	BC2009 + 'C' models	24V 50Hz AC	each	219.21

SOLENOID GAS SAFETY SHUT-OFF VALVES

SOLENOID OPERATED VALVES - SPARE PARTS

Tekni Series 22 to 29.

Series 22 - Vent Valve

PRODUCT CODE	SIZE/STYLE	VOLTAGE	UNIT	PRICE £
25146/FS	All valves	230V 50Hz AC	each	27.93

Series 24 - Class 'B' - Half Wave Rectified

PRODUCT CODE	SIZE/STYLE	VOLTAGE	UNIT	PRICE £
2430412/FS	All valves - 1/8" to 1/2"	230V Spade Conn.	each	21.33
2430414/FS	All valves - 1/8" to 1/2"	24V Spade Conn.	each	21.33
2430422/FS	All valves - 1/8" to 1/2"	230V Flying Lead	each	21.33
2430424/FS	All valves - 1/8" to 1/2"	110V Flying Lead	each	21.33
2430426/FS	All valves - 1/8" to 1/2"	24V Flying Lead	each	21.33

Series 25 - Class 'B' - Full Wave Rectified

PRODUCT CODE	SIZE/STYLE	VOLTAGE	UNIT	PRICE £
25146/FS	All valves - 1/8" to 1/2"	230V Spade Conn.	each	27.93
ME/487	DIN plugs to suit spade connections		each	3.65

Series 26 - Class '1' - Obsolete

PRODUCT CODE	SIZE/STYLE	VOLTAGE	UNIT	PRICE £
2330125/FS	All valves - 1/8" to 1/4"	230V Spade Conn.	each	21.80

Series 28 - Class 'A'

PRODUCT CODE	SIZE/STYLE	VOLTAGE	UNIT	PRICE £
2330125/FS	All valves - 1/8" to 1/4"	230V Spade Conn.	each	21.80
C103025900/FS	All valves - 3/8" to 1/2"	230V Spade Conn.	each	21.80
ME/428	All valves - 3/4"	230V Spade Conn.	each	28.50

Series 29 - Class 'A' - High Pressure

PRODUCT CODE	SIZE/STYLE	VOLTAGE	UNIT	PRICE £
C103025900/FS	All valves - 1/8" to 1/2"	230V Spade Conn.	each	21.80

GENERAL PURPOSE SOLENOID VALVES

SERIES 3000 VALVES

Series 3000 - General Purpose Valves, normally closed. (Energise to open).

For Water, Hot Water, Air, Oil, etc. Fast opening and closing.

Brass body with a choice of diaphragm material, Nitrile, EPDM (WRAS certified) or Viton.

Electrical connection by DIN socket. Protection to IP 65.



Nitrile Diaphragm

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
3001 230V-N	3/8" BSP	each	164.25
3002 230V-N	1/2" BSP	each	178.94
3003 230V-N	3/4" BSP	each	240.09
3004 230V-N	1" BSP	each	240.66
3005 230V-N	1.1/4" BSP	each	429.19
3006 230V-N	1.1/2" BSP	each	429.13
3007 230V-N	2" BSP	each	442.25

EPDM Diaphragm

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
3001 230V-E	3/8" BSP	each	165.81
3002 230V-E	1/2" BSP	each	180.51
3003 230V-E	3/4" BSP	each	242.21
3004 230V-E	1" BSP	each	242.79
3005 230V-E	1.1/4" BSP	each	431.87
3006 230V-E	1.1/2" BSP	each	431.82
3007 230V-E	2" BSP	each	500.40

Viton Diaphragm

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
3001 230V-V	3/8" BSP	each	168.63
3002 230V-V	1/2" BSP	each	183.33
3003 230V-V	3/4" BSP	each	246.01
3004 230V-V	1" BSP	each	246.01
3005 230V-V	1.1/4" BSP	each	436.27
3006 230V-V	1.1/2" BSP	each	436.21
3007 230V-V	2" BSP	each	436.21

Coil Only

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
3000 A 230V	230 V 50 Hz	each	27.75
3000 A 110V	110 V 50 Hz	each	27.75
3000 A 24V	24 V 50 Hz	each	27.75

FREE FALL FIRE VALVES

FIRE SAFETY SYSTEMS

The Free Fall Fire Valves provide a 100% fuel isolation system that will automatically operate in the event of excessive temperature or alarm signal.

The Free Fall Fire Valve kit consists of the fuel isolation valve, lever, weights, free fall link, thermal fuse link, wire cable, tensioners, pulleys, fixings and a warning sign.

Suitable for oil and gas.



Screwed Valves - 15mm to 80mm (1/2" to 3")

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFV15S	15 mm (1/2") Screwed	each	474.98
BTFV20S	20 mm (3/4") Screwed	each	444.15
BTFV25S	25 mm (1") Screwed	each	501.30
BTFV32S	32 mm (1.1/4") Screwed	each	573.25
BTFV40S	40 mm (1.1/2") Screwed	each	596.18
BTFV50S	50 mm (2") Screwed	each	852.36
BTFV65S	65 mm (2.1/2") Screwed	each	976.85
BTFV80S	80 mm (3") Screwed	each	1125.88

Flanged Valves - 25mm to 150mm (1" to 6")

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFV25F	25 mm (1") Flanged	each	698.14
BTFV32F	32 mm (1.1/4") Flanged	each	678.78
BTFV40F	40 mm (1.1/2") Flanged	each	769.92
BTFV50F	50 mm (2") Flanged	each	825.41
BTFV65F	65 mm (2.1/2") Flanged	each	1125.60
BTFV80F	80 mm (3") Flanged	each	1350.89
BTFV100F	100 mm (4") Flanged	each	1890.79
BTFV125F	125 mm (5") Flanged	each	2896.76
BTFV150F	150 mm (6") Flanged	each	3699.60

Accessories - Tilt Switch and Quick Release Units

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFVTILT	Mercury Tilt Switch - Single Phase	each	175.46
BTFVMQR	Manual Quick Release	each	148.25
BTFVEMQR	Electrical Manual Quick Release	each	503.07
BTFVSQR24VDC	Solenoid Quick Release - 24 VDC	each	504.58
BTFVSQR230V	Solenoid Quick Release - 110/230 VAC	each	942.80
BTFVSQRR24VDC	Solenoid Quick Release C/W relay - 24 VDC	each	853.01
BTFVSQRR230V	Solenoid Quick Release C/W relay - 110/230 VAC	each	943.84

FREE FALL FIRE VALVES

FIRE SAFETY SYSTEMS

The Free Fall Fire Valves provide a 100% fuel isolation system that will automatically operate in the event of excessive temperature or alarm signal.

The Free Fall Fire Valve kit consists of the fuel isolation valve, lever, weights, free fall link, thermal fuse link, wire cable, tensioners, pulleys, fixings and a warning sign.

Suitable for oil and gas.



Spares & Extras - Levers

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFVLEVERA	Lever A - 1/2" & 1" Valve	each	27.99
BTFVLEVERB	Lever B - 1.1/4" & 1.1/2" Valve	each	31.14
BTFVLEVERC	Lever C - 2" & 2 1/2" Valve	each	45.49
BTFVLEVERD	Lever D - 3" Valve	each	78.83
BTFVLEVERE	Lever E - 4" & 5" Valve	each	81.28
BTFVLEVERF	Lever F - 6" Valve	each	98.08

Weights

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFVWEIGHTS	Weight 5lb (2.3kg) - < 1.1/4" Valves	each	30.36
BTFVWEIGHTM	Weight 10lb (4.5kg) - 1.1/2" Valve	each	48.14
BTFVWEIGHTL	Weight 15lb (6.8kg) - 2" up to 6" Valves	each	60.74

Fittings

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFVFITS	Bag of Fittings - Small - 1/2" to 1 1/4"	each	66.15
BTFVFITM	Bag of Fittings - Medium - 1.1/2" to 3"	each	116.94
BTFVFITL	Bag of Fittings - Large - 4" to 6"	each	142.19

Cables

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFVCABLE9M	Cable 9m (30ft)	each	26.95
BTFVCABLE30M	Cable 30m (100ft)	each	67.10
BTFVCABLE150M	Cable 150m (500ft)	each	88.69
BTFVCABLE300M	Cable 300m (1000ft)	each	177.37
BTFVCABLE760M	Cable 760m (2500ft)	each	449.35

FREE FALL FIRE VALVES

FIRE SAFETY SYSTEMS

Fuse Links

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFVFUSE72C	Fuse Link 72°C (160°F)	each	6.92
BTFVFUSE92C	Fuse Link 92°C (198°F)	each	10.05
BTFVFUSE104C	Fuse Link 104°C (220°F)	each	7.62
BTFVFUSE124C	Fuse Link 124°C (260°F)	each	10.55
BTFVFUSE183C	Fuse Link 183°C (360°F)	each	12.10

Sperryn Series T2066

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BTFVSPRINGL	Light Spring - 1/2" to 3"	each	11.96
BTFVSPRINGH	Heavy Spring - 4" to 6"	each	7.55
BTFVLINK	Freefall Link	each	8.63
BTFVTENSION	Cable Tensioner	each	56.67
BTFVSIGN	Warning Sign	each	5.10
BTFVPULLW	Pulley - Wood Screw	each	7.10
BTFVPULLBSP	Pulley - 1/4" BSP	each	10.80
BTFVEYEW	Eye - Wood Screw	each	3.15
BTFVSHOOK	Brass S-Hook	each	2.54
BTFVCRIMP	Crimp Connector (x5)	each	9.50

GAS GOVERNORS AND REGULATORS

GAS GOVERNORS AND REGULATORS

Class B Group 2 EN88 and EN334 approved.

Gas Families 1, 2 & 3 and other non-aggressive gas.

Operating Temperature -15 to +60°C.

Operation by spring tension.

Materials: Aluminium body, internal parts Aluminium, Steel, Brass and synthetic materials.

Diaphragm and gaskets in Nitrile-butadiene rubber.

Inlet Pressure 200 mb

PRODUCT CODE	SIZE/STYLE	PRESSURE RANGE (MBAR)	UNIT	PRICE £
FGD15/CEN	1/2" BSP	10 - 30	each	49.56
FGD20/CEN	3/4" BSP	10 - 30	each	47.92
FGD25/CEN	1" BSP	10 - 30	each	48.50
FGD32/CEN	1.1/4" BSP	10 - 25	each	102.62
FGD40/CEN	1.1/2" BSP	10 - 25	each	125.12
FGD50/CEN	2" BSP	10 - 25	each	214.10
Springs available for other pressure ratings				

Inlet Pressure 500 mbar

PRODUCT CODE	SIZE/STYLE	PRESSURE RANGE (MBAR)	UNIT	PRICE £
FGDR15/CEN	1/2" BSP	10 - 30	each	49.98
FGDR20/CEN	3/4" BSP	10 - 30	each	46.29
FGDR25/CEN	1" BSP	10 - 30	each	46.27
FGDR32/CEN	1.1/4" BSP	10 - 25	each	108.89
FGDR40/CEN	1.1/2" BSP	10 - 25	each	118.55
FGDR50/CEN	2" BSP	10 - 35	each	227.05
FGDR50/40N	2" BSP	10 - 25	each	136.75
STR65D/CEN	65mm Flanged	9 - 25	each	421.78
STR80/CEN	80mm Flanged	9 - 25	each	357.36
STR100D/CEN	100mm Flanged	15 - 45	each	1056.46
Springs available for other pressure ratings				

GAS GOVERNORS AND REGULATORS

GAS GOVERNOR SPRINGS

PRODUCT CODE	TO FIT MODELS	COLOUR	PRESSURE RANGE (MBAR)	UNIT	PRICE £
504.0037.020	FGD, FGDR 15/20/25	Green	5 - 15	each	5.67
504.0032.020	FGD, FGDR, FGIB 15/20/25	Violet	25 - 80	each	1.20
504.0033.020	FGD, FGDR, FGIB 15/20/25	Brown	70 - 160	each	6.20
504.0034.020	FGDR, FGIB 15/20/25	Blue	150 - 280	each	5.23
E816D	FGD, FGDR, FGIB 32/40 50/40	Green	5 - 15	each	4.55
504.0017.020	FGD, FGDR, FGIB 32/40 50/40	Violet	20 - 70	each	2.35
E619D	FGD, FGDR, FG1B 50	Violet	30 - 80	each	12.32
E631D	FGD 50	Brown	70 - 160	each	15.12
E631D	FGDR, FG1B 50	Brown	70 - 220	each	15.12
E406	STR 65/80	Red	24 - 70	each	16.87
E417D	STR 65/80	Violet	60 - 110	each	20.72
E424D	STR 65/80	Brown	100 - 150	each	17.57
E535	STR 100	Red	35 - 75	each	7.90
E468	STR 100	Violet	70 - 110	each	22.75
E475	STDR 100	Brown	100 - 150	each	22.75

PROPORTIONATORS (GAS/AIR RATIO CONTROLS)

Maximum inlet pressure 200mb. Air pressure control 2 - 120mb. Air/gas ratio 1:1
 Differential between inlet and outlet - Min 20mb, Max 150mb. Air connection 1/4" BSP
 Ambient Temperature -10 to +60°C. Gas families 1, 2 & 3 and non-aggressive gases.
 Materials: Aluminium body, internal parts Aluminium, Steel, Brass and synthetic materials.
 Diaphragm and gaskets in Nitrile-butadiene Rubber.



PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
GAVR15	1/2" BSP	each	73.33
GAVR20	3/4" BSP	each	80.15
GAVR25	1" BSP	each	87.26
GAVR32	1.1/4" BSP	each	123.76
GAVR40	1.1/2" BSP	each	123.76
GAVR50	2" BSP	each	203.14
VRGA65	DN65	each	601.79
VRGA80	DN80	each	489.74
VRGA100	DN100	each	1115.52

GAS FILTERS AND ELEMENTS

GAS FILTERS

Approval EN 126. Gas Families 1, 2 & 3 and non-aggressive gases.

Working Temperature -10 to +80°C.

Materials - Body and covers Aluminium, Filter Element Viledon P15/500S, synthetic materials and galvanised steel reinforcements for flanged filters.

PRODUCT CODE	SIZE/STYLE	RATING	UNIT	PRICE £
70609/CE	1/2" BSP	500 mb	each	8.65
70611/CE	1/2" BSP	1 Bar	each	27.86
70612/CE	3/4" BSP	1 Bar	each	20.85
70602/CE	1" BSP	1 Bar	each	34.76
70604/CE	1.1/4" BSP	1 Bar	each	37.00
70603/CE	1.1/2" BSP	1 Bar	each	31.58
70631/CE	2" BSP	1 Bar	each	35.87

FILTER ELEMENTS

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
3216	70611/CE - 70612/CE	each	10.61
3217	79692/CE - 70604/CE - 70603/CE	each	10.10
3218	70631/CE	each	12.45

THERMO-ELECTRIC VALVES AND ANCILLARY PRODUCTS

THERMO-ELECTRIC VALVES

Series 37 and G840 Thermo-electric Valves.
Gas Families 1, 2 & 3. Cast Aluminium Bodies.
For use with Black Teknigas Thermocouples.

Single Burner Applications, Integral Pilot Fitted Upstream of any Governor or Pilot

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
3703/3/8IN	3/8" BSP	each	158.12
3703/1/2IN	1/2" BSP	each	153.11
3702/3/4IN	3/4" BSP	each	207.69
3702/1IN	1" BSP	each	211.08
G840 HA	1/2" BSP	each	120.04

Multi Burner Application, Independent Pilot Supply

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
3705/3/8IN	3/8" BSP	each	308.15
3705/1/2IN	1/2" BSP	each	153.11
3706/3/4IN	3/4" BSP	each	281.09
3706/1IN	1" BSP	each	281.09

PILOT TUBE KITS

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
PTK4MM	1 Metre x 4 mm Tube plus Fittings	each	5.54
PTK6MM	1 Metre x 6 mm Tube plus Fittings	each	6.47

THERMOCOUPLES

High Quality Universal, specific duty and replacement type thermocouples.
Normal working temp. range 400 to 600°C. Max. operating temp. 1000°C.
Drop out time typically 30 to 40 seconds.

Series 7000 - Universal Thermocouples including Fittings Pack

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
7000/EL/600MM	24" (600mm) Ext. Life	each	5.42
7000/EL/900MM	36" (900mm) Ext. Life	each	5.43
7000/EL/1200MM	48" (1200mm) Ext. Life	each	6.49
7000/EL/1800MM	72" (1800mm) Ext. Life	each	7.10
7001/S/900MM	36" (900mm) with Interrupter	each	7.31
7002/900MM	36" (900mm) Long Life	each	6.00
7003/900MM	36" (900mm) Super Universal	each	7.58
7003/1200MM	48" (1200mm) Super Universal	each	7.84
7003/900MMPLUS	36" (900mm) Superfit Plus Universal	each	7.61
7004/900MM	36" (900mm) Gas Fire Universal	each	5.17

THERMO-ELECTRIC VALVES AND ANCILLARY PRODUCTS

THERMOCOUPLES

High Quality Universal, specific duty and replacement type thermocouples.
Normal working temp. range 400 to 600°C. Max. operating temp. 1000°C.
Drop out time typically 30 to 40 seconds.

Additional Adaptor Packs for Universal Thermocouples

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
7000/04	Perl, Black 5503	each	12.00
7000/05	Perl A, B, C, D & E	each	2.71
7000/12	Evered 9189, White Rodgers, Robertshaw	each	2.20
7000/13	Teddington TJ	each	2.87
7000/15	Sperryn T582	each	4.04
7000/26	Junkers, S.I.T.	each	2.11
7000/304	M10 Split Nut	each	0.30
7000/305	M9 Split Nut	each	0.30
7000/306	11/32" Split Nut	each	0.30
7000/307	M8 Split Nut	each	0.30

Customer Specific Series Thermocouples

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
701062	36" (900mm) 9mm Fixed Nut	each	3.67
701082	48" (1200mm) 9mm Fixed Nut	each	5.09
701092	60" (1500mm) 9mm Fixed Nut	each	17.20

Sperryn Series T2066

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
710022	320mm	each	2.75
710042	600mm	each	2.75
710072	1000mm	each	5.85
710092	1500mm	each	16.77

THERMO-ELECTRIC VALVES AND ANCILLARY PRODUCTS

THERMOCOUPLES

High Quality Universal, specific duty and replacement type thermocouples.
Normal working temp. range 400 to 600°C. Max. operating temp. 1000°C.
Drop out time typically 30 to 40 seconds.

Replacement Type Thermocouples

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
7/S38	Thorn Apollo	each	5.65
7S/39A	Burco 54561	each	5.65
703044	24" (600mm) Q309A Type	each	5.30
703064	36" (900mm) Q309A Type	each	5.30
703084	48" (1200mm) Q309A Type	each	5.61
705060	36" (900)mm ITT Type	each	3.85
705080	48" (1200mm) ITT Type	each	4.59
712044	Thorn Olympic	each	4.39
717033	Robinson Willey Bantam	each	3.60
717052	Ideal Mexico	each	4.15
721202A	Potterton 8929547	each	3.90
7220212A	Main Medway Super	each	3.45
722213	Main Medway	each	3.28
724223	Valor Dream	each	3.30
725171	Glowworm Fireblaze	each	3.92
726041	Valor Heartbeat	each	3.70
727064	Thorn M	each	4.30
728143	Cannon Carress	each	3.41
728214	Vokera Flowmatic	each	3.35

SPARE PARTS FOR GAS SAFETY SHUT OFF VALVES, ETC**BLACK 'SUPERSEAL' SOLENOID VALVES - SPARE PARTS**

Series 69 - Obsolete, no spares available.

Series 79 - Obsolete, no spares available.

Series 89 - Obsolete, no spares available.

No further spares available for obsolete Blacks Solenoid valves of any Series.

BLACK 'SUPERSEAL' SOLENOID VALVES - SPARE PARTS**Series 37 and G840**

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
3701/110	Push Button Assembly - 3701/3703/3705	each	32.95
3702/127	Push Button Assembly - 3702/3706	each	39.85
T3622	Push Button Assembly - G840/880 1/2"	each	37.20
T1941	Push Button Assembly - G840/880 3/4"	each	68.87
MB1/FS	Electro-mag.hood assy. - 3701/3703 and G840/880 1/2"	each	33.29
3702/140	Pilot Assembly - 3702	each	95.31
3705/100	Pilot Assembly - 3705	each	188.77
3706/104	Pilot Assembly - 3706	each	134.87

ACTUATORS FOR MOTORISED BALL VALVES

MANUAL BALL VALVES AND ACTUATORS

Art. 77 - Cast Iron Body, PTFE Seats, Brass Ball and Stem.

Max Working Pressure 16 bar. Lever Handle.

Art. 77 - Flanged

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
1.1/2" ART77 LH	1 1/2" - 40mm	each	115.00
2" ART77 LH	2" - 50mm	each	179.73
2.1/2" ART77 LH	2.1/2" - 65mm	each	191.70
3" ART77 LH	3" - 80mm	each	281.37
4" ART77 LH	4" - 100mm	each	362.08
5" ART77 LH	5" - 125mm	each	700.14
6" ART77 LH	6" - 150mm	each	811.40

ACTUATORS FOR MOTORISED BALL VALVES

JOVENTA ACTUATORS

230 Volt - Modulating Operation.

Ball Valve price from Page 15 to be added to give complete valve price.

PRODUCT CODE	TORQUE	OPENING TIME	OPERATING ANGLE	AUXILIARY SWITCHES	INPUT	UNIT	PRICE £
DMS2.2	8 Nm	30 sec	90	N/A	(1)	each	160.50
DMS2.2s	8 Nm	30 sec	90	2	(1)	each	277.38
DM 2.2	16 Nm	80 sec	90	N/A	(2)	each	295.75
DM 2.2s	16 Nm	80 sec	90	2	(2)	each	325.50
				(1) 0-10V, 0(4)-20mA	(2) 0(2)-10V, 0(4)-20mA		

BURNERS, PILOTS, INJECTORS, BURNER CONTROLLERS, ACCESSORIES, ETC

ELECTRONIC BURNER SEQUENCE CONTROLLERS

Atmospheric and Forced Draught Burners.

Series 'Microflat' - Fully Automatic Control.

Integral Spark, Flame Rectification (Ionisation) only

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
SE 11 F 230V	2 valve, 2 probe control for atmos. burners	each	74.25
SM 11 KIT	Electrical Termination kit for above	each	2.44
SM 11 RS	Reset Button for above - if required	each	4.22

Atmospheric and Forced Draught Burners

Series SM - Fully Automatic Control

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
SM592-230V	Fully Automatic - Flame Rectification only - 230V	each	198.80
SM592-110V	Fully Automatic - Flame Rectification only - 110V	each	210.00

Accessories for above

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
1201/230V	Spark Generator - 230V	each	99.50
1201/110V	Spark Generator - 110V	each	98.53
UV1	Ultra Violet Detector Head	each	149.65
ME39/FS	Electrode (probe) - 6"	each	26.25
ME233/FS	Electrode (probe) - 12"	each	31.80

BURNERS, PILOTS, INJECTORS, BURNER CONTROLLERS, ACCESSORIES, ETC**PILOT BURNERS**

Various models and Styles for Domestic, Commercial and Industrial applications.
Industrial Pilot Assemblies for Natural Gas and LPG.

Series 1300 - for use with Flame Rectification Units, includes 2 Probes

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
1300/N	Natural Gas	each	101.92
1300/LPG	Liquified Petroleum Gas	each	133.46

Series 1101 - for use with Tekni 7000 series Thermocouples in arduous conditions

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
1300/N	Natural Gas	each	101.92
1300/LPG	Liquified Petroleum Gas	each	133.46

Commercial/Domestic Pilot Assemblies for Natural Gas and LPG

Series 'Y' - Compact aerated, low consumption burner.

Available in three styles:

Type 'A' - Horizontal Flame with Vertical Flame at 90°.

Type 'B' - Horizontal Flame with Upward Flame at 120°.

Type 'C' - Two Horizontally Opposed Flames.

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
Y100	Type 'A' - Natural Gas	each	59.53
Y104	Type 'B' - Natural Gas	each	51.47
Y108	Type 'C' - Natural Gas	each	68.91
Y166	Type 'A' - Liquified Petroleum Gas	each	59.35
Y177	Type 'A' - Liquified Petroleum Gas	each	51.29
Y175	Type 'A' - Liquified Petroleum Gas	each	68.66

Series CTB Monogas and Universal Pilot Burners 1, 2, & 3 Flame Models

PRODUCT CODEs consist of four elements, as follows.

First Element - 'CTB/' - i.e. series.

Second Element - either 'MV/' (Monogas or 'U/' (Universal).

Third Element - '1/', '2/' or '3/' - i.e. No. of flames required".

Fourth Element - Bracket type 'STD' (Standard) or 'EXT' (Extended).

In addition orders for Monogas Pilots should indicate if pilot is for "/LPG".

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
See above	See above	each	16.25
Standard connection is 6mm comp. But 4mm can be supplied to special order			

BURNERS, PILOTS, INJECTORS, BURNER CONTROLLERS, ACCESSORIES, ETC

PILOT BURNERS

Accessories

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
MG18	CTB Electrode	each	2.75
MG20	Piezo Ignitor	each	7.10
MG21	H.T. Cable	metre	2.05
MG22	Flat Connector	each	0.28
MG25	Ring Connector	each	0.28

TEKNI GAS INJECTORS

Series 117 Single Arm - Die Cast Body, Brass Jet (Pilot Drilled)

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
117/75IN	3/4" connection, 3/8" inlet, 1/4" jet, 30,000 BTU	each	182.68
117/1IN	1" connection, 3/8" inlet, 1/4" jet, 45,000 BTU	each	172.65
117/1.25IN	1.1/4" connection, 1/2" inlet, 3/8" jet, 80,000 BTU	each	164.95
117/1.5IN	1.1/2" connection, 3/4" inlet, 3/8" jet, 135,000 BTU	each	197.26
117/2IN	2" connection, 1" inlet, 1/2" jet, 180,000 BTU	each	372.79

Jets - Type 117 Injectors - Pilot Drilled Only

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
123/210	for 3/4" and 1"	each	19.53
123/211	for 1.1/4" and 1.1/2"	each	18.31
123/212	for 2"	each	42.35

Series 168 - Fabricated Steel Body, Brass Jet (Pilot Drilled)

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
168/1IN	1" connection, 1/2" inlet, 1/4" jet, 30,000 BTU	each	124.24
168/1.25IN	1.1/4" connection, 3/4" inlet, 3/8" jet, 45,000 BTU	each	152.60
168/1.5IN	1.1/2" connection, 3/4" inlet, 3/8" jet, 135,000 BTU	each	167.38
168/2IN	2" connection, 1" inlet, 1/2" jet, 180,000 BTU	each	205.78

Jets - Type 168 Injectors - Pilot Drilled Only

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
201/102	for 1"	each	8.58
201/104	for 1.1/4" and 1.1/2"	each	27.06
201/106	for 2"	each	40.25

PRESSURE, FLOW, LEVEL AND PHOTO-ELECTRIC CONTROLS

PRESSURE SWITCHES - LOW PRESSURE

Low Pressure Switches for Positive, Negative and Differential Pressure applications.
Range from 0.25 mbar to 2.1 bar.

Black Series 80 - Positive, Negative and Differential Pressure Switch

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BC8039A	0.25 to 2.5 mbar	each	196.31
BC8062	2.3 to 15 mbar	each	196.31

Black Series 80 - Mounting Bracket

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
BC17512	Mounting Bracket	each	6.55

Actu Series LDH - Positive, Negative and Differential Pressure Switch

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
ACTU020001	LDH/0 - 0.25 to 0.63 mbar	each	219.31
ACTU020002	LDH/1 - 0.63 to 3.24 mbar	each	219.31
ACTU020003	LDH/7 - 2.50 to 17.5 mbar	each	219.31
ACTU020004	LDH/28 - 17.00 to 70.00 mbar	each	219.31

Actu Series LDH - Mounting Bracket

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
ACTU320400	LDH Mounting Bracket	each	22.61

Series C6097 - Positive, Negative and Differential Pressure Switch

Inlet Pressure Pipe Connection: Rp 1/4" female.
Differential Pressure Connection Rp 1/8" female.

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
C6097A2110	1.0 to 10.0 mbar	each	74.42
C6097A2210	2.5 to 50.0 mbar	each	74.42
C6097A2310	30 to 150 mbar	each	74.42
C6097A2410	100 to 500 mbar	each	47.01

PRESSURE, FLOW, LEVEL AND PHOTO-ELECTRIC CONTROLS

PRESSURE SWITCHES - HIGH PRESSURE

Series Supermin - Miniature Positive and Negative Pressure Switches

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
5600001	SM1 - 0.1 to 1.0 bar	each	137.74
5600002	SM2 - 0.4 to 2.5 bar	each	143.17
5600003	SM3 - 1.0 to 10 bar	each	139.00
5600004	SM4 - 4.0 to 25 bar	each	141.38
	Degreased Version of any above	extra	20.25

LONDEX LEVEL CONTROLS

Air and Liquid Flow Switches and Controllers

Series Supermin - Miniature Positive and Negative Pressure Switches

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
4831001	EAF 110, 24v, 0.6-15m/s	each	212.70
4832001	EAF 180, 24v, 0.6-15m/s, t/o	each	322.85
4880001	EAF 250, 24v, 0.3min to 2-15max	each	499.95
4880004	EAF 250 Sensor Only	each	256.45
4880006	EAF 250 Control Unit Only	each	281.65
4880003	EAF 260, 24v, 0-20m/s	each	328.90

LONDEX PHOTO-ELECTRIC DEVICES

Series Minilux - Night/Day Photo Switches

PRODUCT CODE	SIZE/STYLE	UNIT	PRICE £
7400003	41018, 240v, 2-2000lux	each	POA
7400004	41047, 240v, on 45, off 90lux	each	75.00
7430003	36096, 200/240v, 2 - 20,000lux	each	POA

bar **BLÜCHER**[®] MICROFLEX[®] SOCLA  valpes

 **WATTS**[®]