

Chapter 12

Industrial & Commercial Gas Products

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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.

WATTS®

GAS SAFETY 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 approved to IP56
- Manual re-set switch incorporated on all versions
- 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
- IP56 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

TYPE	PRODUCT CODE	SIZE	POWER	CONNECTION
Powerseat® Eco	PE6683110V	1.1/2" BSP	110V Range	Screwed
Powerseat® Eco	PE6684110V	2" BSP	110V Range	Screwed
Powerseat® Eco	PE6685110V	2.1/2" BSP	110V Range	Screwed
Powerseat® Eco	PE6686110V	3" BSP	110V Range	Screwed
Powerseat® Eco	PE6683230V	1.1/2" BSP	230V Range	Screwed
Powerseat® Eco	PE6684230V	2" BSP	230V Range	Screwed
Powerseat® Eco	PE6685230V	2.1/2" BSP	230V Range	Screwed
Powerseat® Eco	PE6686230V	3" BSP	230V Range	Screwed



Powerseat® Eco Electro Hydraulic Gas Safety Shut Off Valve Cast iron Body - Flanged Connections

TYPE	PRODUCT CODE	SIZE	POWER	CONNECTION
Powerseat® Eco	PE6685FL4110V	65	110V Range	Flanged
Powerseat® Eco	PE6686FL4110V	80	110V Range	Flanged
Powerseat® Eco	PE6687FL4110V	100	110V Range	Flanged
Powerseat® Eco	PE6689FL4110V	150	110V Range	Flanged
Powerseat® Eco	PE6658FL4230V	65	230V Range	Flanged
Powerseat® Eco	PE6686FL4230V	80	230V Range	Flanged
Powerseat® Eco	PE6687FL4230V	100	230V Range	Flanged
Powerseat® Eco	PE6689FL4230V	150	230V Range	Flanged



Powerseat® Electro Hydraulic Gas Safety Shut Off Valve Cast iron Body - Flanged Connections. 8" & 10" available in Powerseat® specifications.

TYPE	PRODUCT CODE	SIZE	POWER	CONNECTION
Powerseat®	BC66810FL4110V	200	110V Range	Flanged
Powerseat®	BC66811FL4110V	250	110V Range	Flanged
Powerseat®	BC66810FL4230V	200	230V Range	Flanged
Powerseat®	BC66811FL4230V	250	230V Range	Flanged

GAS SAFETY SHUT-OFF VALVES

Powerseat® Electro-Hydraulic Valves - Spare Parts

OPTIONAL EXTRAS	DESCRIPTION	UNIT
BC668*/SW	Open Position Switch	each
	110V 50Hz AC version +	each



OPTIONAL EXTRAS	DESCRIPTION	UNIT
BC66RSR	PowerSet Manual Reset Switch (Remote)	each
BC66ETF	PowerLink Thermal Fuse	each
BC66MRF	PowerLink Resettable Thermal Fuse	each
BC66ESB	PowerSev Emergency Switch (Die-cast)	each
BC66ESB/P	PowerSev Emergency Switch (Plastic)	each
BC66ESB/K	PowerSev Emergency Switch - Key op	each
N101706000	Thermal Fuse for BC66ETF	each



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

Powerseat® Replacement Actuators

ACTUATOR CODE	TYPE	PRODUCT CODE	TYPE
Spare Actuator		Powerseat Eco Electro Hydraulic Gas Safety Shut Off Valves Aluminium Screwed Connections	
110V Range			
PE668S110V	6683 - 110V	PE6683110V	1½" BSP
PE668S110V	6684 - 110V	PE6684110V	2" BSP
PE668LS110V	6685 - 110V	PE6685110V	2½" BSP
PE668LS110V	6686 - 110V	PE6686110V	3" BSP
230v Range			
PE668S230V	6683 - 230V	PE6683230V	1½" BSP
PE668S230V	6684 - 230V	PE6684230V	2" BSP
PE668LS230V	6685 - 230V	PE6685230V	2½" BSP
PE668LS230V	6686 - 230V	PE6686230V	3" BSP
Spare Actuator		Powerseat Eco Electro Hydraulic Gas Safety Shut Off Valves Cast Iron Flanged Connections	
110V Range			
PE668HS110V	6685 - 110V	PE6685FL4110V	6685 FL 110V 65mm Valve
PE668HS110V	6686 - 110V	PE6686FL4110V	6686 FL 110V 80mm Valve
PE6687S110V	6687 - 110V	PE6687FL4110V	6687 FL 110V 100m Valve
PE6689S110V	6689 - 110V	PE6689FL4110V	6689 FL 110V 150m Valve
230V Range			
PE668HS230V	6685 - 230V	PE6685FL4230V	6685 FL 230V 65mm Valve
PE668HS230V	6686 - 230V	PE6686FL4230V	6686 FL 230V 80mm Valve
PE6687S230V	6687 - 230V	PE6687FL4230V	6687 FL 230V 100m Valve
PE6689S230V	6689 - 230V	PE6689FL4230V	6689 FL 230V 150m Valve
Spare Actuator		Powerseat Electro Hydraulic Gas Safety Shut Off Valves Cast Iron Flanged Connections	
110V Range			
BC66810S110V	66810 - 110V	BC66810FL4110V	66810FL 110V 200mm Valve
BC66810S230V	66810 - 230V	BC66811FL4110V	66810FL 110V 250mm Valve
230V Range			
BC66811S110V	66811 - 110V	BC66810FL4230V	66810FL 110V 200mm Valve
BC66811S230V	66811 - 230V	BC66811FL4230V	66810FL 110V 250mm Valve

