



ELECTRONIC CONTROL SMART PRESS

 **DAB PUMPS LTD.**
Unit 4, Stortford Hall Industrial
Park Dunmow Road, Bishops Stortford, Herts
CM23 5GZ - UK
info.uk&eire@dwgroup.com
Tel.: +44 1279 652 776
Fax: +44 1279 657 727


 **DAB PUMPS B.V.**
Albert Einsteinweg, 4
5151 DL Drunen - Nederland
info.netherlands@dwgroup.com
Tel.: +31 416 387280
Fax: +31 416 387299

 **DAB PUMPS B.V.**
Brusselstraat 150
B-1702 Groot-Bijgaarden - Belgium
info.belgium@dwgroup.com
Tel.: +32 2 4668353
Fax: +32 2 4669218

 **DAB PUMPEN DEUTSCHLAND GmbH**
Tackweg 11
D - 47918 Tönisvorst - Germany
info.germany@dwgroup.com
Tel.: +49 2151 82136-0
Fax: +49 2151 82136-36

 **DAB PUMPS INC.**
3226 Benchmark Drive
Ladson, SC 29456 USA
info.usa@dwgroup.com
Ph. : 1-843-797-5002
Fax : 1-843-797-3366

 **DAB PUMPS IBERICA S.L.**
Parque Empresarial San Fernando
Edificio Italia Planta 1ª
28830 - San Fernando De Henares - Madrid
Spain
info.spain@dwgroup.com
Ph.: +34 91 6569545
Fax: +34 91 6569676

 **DWT GROUP Russia**
100 bldg. 3 Dmitrovskoe highway,
127247 Moscow - Russia
info.russia@dwgroup.com
Tel.: +7 495 739 52 50
Fax: +7 495 485-3618

 **DAB PUMPS CHINA**
Shandong Sheng Qingdao Shi
Jinji Jishu Kaifagu Kaituo Rd
ZIP PC266510
CN - China
info.china@dwgroup.com
Tel.: +8613608963089
Fax: +8653286812210



DAB Pumps Inc.

3226 Benchmark Drive Ladson SC 29456
Phone 843-797-5002 - Fax 843-797-3366
<http://www.dabpumps.us/>



APPLICATION

DESCRIPTION

SMART PRESS is an ON/OFF electronic system designed to regulate the pump work, without using an expansion vessel.

The device stops the pump to protect against dry running without using level probes or float switch.

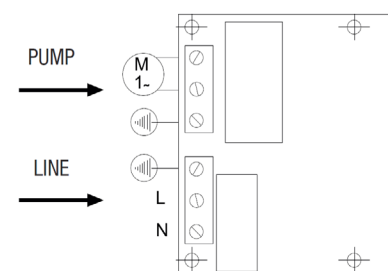
It has an adjustable cut-in pressure and even with a high flow the pressure losses are small.

The WG (WATER GUARDIAN) version of the SMART PRESS will try to restart the pump every 30 minutes after the dry run protection has stopped the pump.

All the SMART PRESS models have a MANUAL RESTART.
The standard version is not supplied with cables

TECHNICAL DATA

ELECTRICAL CONNECTIONS



TECHNICAL DATA

FEATURES & BENEFITS

- Plug and Play
- No Pressure Tank Required
- Compact Design
- Weather Proof (Always recommended to protect from the elements)
- 2 Pressure versions available (25psi & 40psi)
- Dry Run Protection
- Automatic Operation
- Available in 1 Phase 115v & 230v 60Hz
- Adjustable Start Pressure
- WG Version with auto-restart

TECHNICAL DATA

TECHNICAL DATA

OPERATION

1) Controls pump operation, automatically and without interruption, with constant pressure and delivery during supply from one or more distribution points. The pump starts when the pressure of the system is less than the fixed pressure (std 1.5 bar). It stops when Smart Press no longer detects an appreciable outlet flow (see point 2).

2) Keeps the pump operating for a brief period (approximately 5 seconds) after supply has stopped at the tap closing.

3) If there is no water at the suction point, it blocks the pump, without using level probes or float switches. Or it releases automatically when a pressure above the one required to start the motor-driven pump is injected in the delivery line.

One version of system is identified as Smart Press WG (where WG is for Water Guardian). In case of block due to lack of water, this system effects some tries of automatic random, as equal as pressing the pushbutton of manual reset, every 30 Min.

4) It is supplied with a flow sensor, manufactured with a geometry which reduces the loading losses even with very high flows.

5) Lights indicate the various operation phases:
green LED on: present power supply
yellow LED on: pump working
red LED on: blocked due to lack of water at supply point.

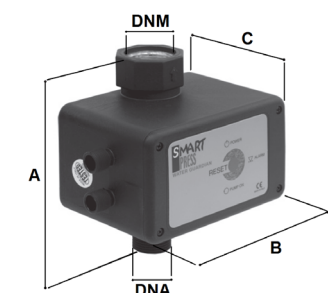
MODEL DATA

Model	Item code	Max Motor current amps	Max Motor Power HP	Power Supply Volt	Set Pressure psi	Settable Range psi
SMART PRESS 1.5HP WG	88001976	20	1.5	1~ 115v 50/60Hz	25	20 - 30
SMART PRESS 3.0HP WG	88001979	20	3.0	1~ 230v 50/60Hz	25	20 - 30
SMART PRESS 1.5 HP WG 2.8	60143793	20	1.5	1~ 115v 50/60Hz	40	35 - 45
SMART PRESS 3.0 HP WG 2.8	60143792	20	3.0	1~ 230v 50/60Hz	40	35 - 45

DIMENSIONS

SMART PRESS Dimensions (Inches)

MODEL	DNA	DNM	A	B	C
SMART PRESS 1.5 HP WG	1"	1" 1/4	8	9	6
SMART PRESS 3.0 HP WG	1"	1" 1/4	8	9	6
SMART PRESS 1.5 HP WG 2.8	1"	1" 1/4	8	9	6
SMART PRESS 3.0 HP WG 2.8	1"	1" 1/4	8	9	6



APPLICATION