

Type	PSWV - H	A1	B1
A1	up to 2 water pumps - 1 (length 2m) up to 3 water pumps - 2 (length 2,5m)		1
B1	entrance window height		0,5

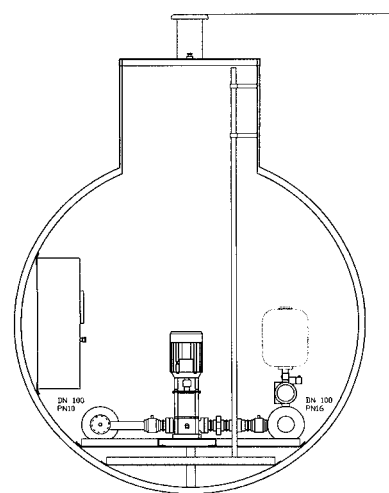
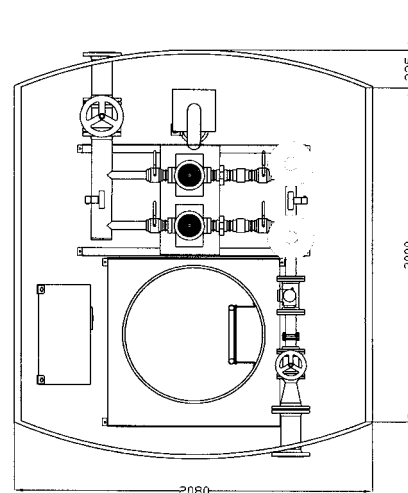
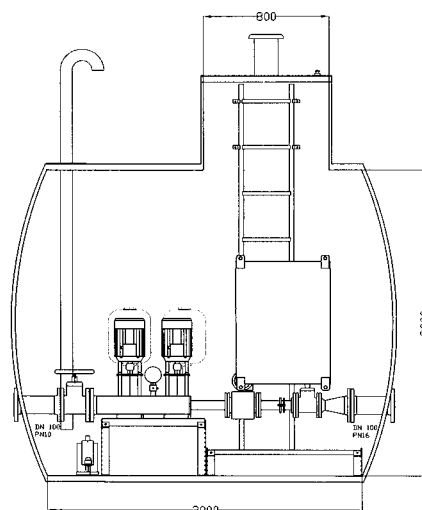
Type	PSWV - E	A2	B2	C2	D2	E2	F2	G2	H2	I2	J2
A2	number of water pumps (1,2,3)		2								
B2	operation mode: 1+0 - 1 1+1 - 2 2+0 - 3 2+1 - 4 3+0 - 5		x								
C2	water pump power			x							
D2	maximum pressure (bar)					x					
E2	maximum flow (l/s)					x					
F2	flow measuring NO - 0 YES - 1						x				
G2	pipes and equipment - inox NO - 0 YES - 1							x			
H2	water discharge system NO - 0 YES - 1								x		
I2	SMS fault indication, GSM modem NO - 0 YES - 1									x	
J2	remote monitoring and managing system NO - 0 YES - 1										x

Example of choosing:

Type: PSWV - H - 1 - 0,5

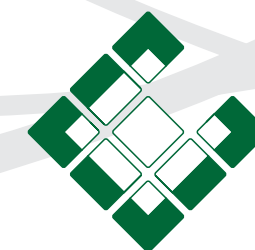
station for assembling of up to two water pumps, entrance window height 0,5 m

model: PSWV - E - 2 - 3,0 - 8,0 - 3,0 - 1 - 0 - 1 - 0 - 0 Pumping station with two built-in frequency controlled pumps, operation mode 1+1 (working + spare, cycle exchange), power 3,0 kW, maximum outlet pressure 8,0 bar, maximum flow 3,0 l/s (at 8,0 bar), with continuous flow measuring (momentary and total flow), standard steel, pipes with built-in water discharge system, without SMS fault indication and without remote monitoring and control equipment



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Type underground water pumping station
PSWV H+E

Type underground
water pumping station PSWV H+E



What is a PSWV?

PSWV is a designed, underground water pumping station which, as a ready made - product, can be applied for providing high quality water supply for consumers of water supply systems in hydraulic sense, with fully automatized operation.

It's characteristic is a special waterproof housing for underground installation in the shape of laid roller with opening unit, brought out connections for water supplying network, for supply and signal cables and grounding.

This product is workshop completed by preassembly and connections for fast and quality connecting at the chosen location, besides providing significant savings in project and construction and it's toughness enables a very simple placing to other locations if necessary.



The way a PSWV is operated

1. PSWV is designed for manual – service and fully automatic operation mode, without a crew.
2. Automatic mode of operation is carried out by means of built-in PLC software and the equipment for continuous measuring of pressures and flow (option)
3. Operation modes and working conditions of a PSWV are defined by means of keyboard built-in control panel
4. Remote control, fault indicator, monitoring and measuring of momentary and total flow are available as an option as well.



Which are basic components of a PSWV?

1. PSWV consists of a housing, where a specially designed device for raising of water pressure in pressure pipes or network is placed and all that within programmed limits and defined time base.

Dimensions of a type underground water pumping station are defined by typisation based on built-in electro-machine equipment (type and model)

2. The housing is a HOBAS product, made of centrifugal polyester pipes in accordance with OENORM B5161, which due to it's hardness and in respectance of installation instructions, provide sufficient security for built-in equipment and staff as well when necessary (maintenance, periodical checkings).

3. Pressure rising device consists of two pumps which work in the operation mode 1+1 or 2+0, or three pumps which work in the operation mode 2+1 or 3+0, capacity 1-60 l/s. The pumps are driven by frequency converters and the PSWV is driven by PLC.



Why a PSWV?

1. Short construction time: PSWV enables **fast assembly and commissioning** at the chosen location, including **savings in designing and construction**.
2. At the chosen location it is necessary to prepare construction pit, level the station, fix it, connect it to the water supply and electro-energetic network (as a permanent or temporary connection), cover it with digged out ground and commission.
3. Due to it's dimensions, **relatively low weight and toughness**, a PSWV can easily be **removed** and installed to another location when/ if necessary.