

Automatic start and stop device

Applications

Assembled on a pump, automatic start and stop based on water demand.
Adjustable starting pressure range from 1,5 to 2,5 bar.

Materials

Plastic components in technopolymer.
Internal membrane in EPDM.

Equipment

Built-in check valve.
Unions included.
Model NP: Cables without plug.
Model 2E: Cables with plug type F.
Dry-protection function.
Automatic reset function.

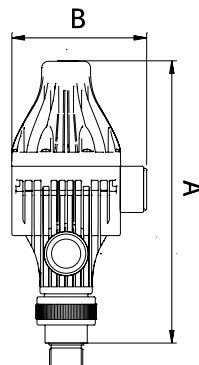


Feature table

Model	I [A] max.	Hz	Protection	Maximum pressure	Starting pressure	Diferencial pressure	Stopping pressure	Max. temp. [°C]	Ø Connection	Code	
										1~230V (Model NP)	1~230V (Model 2E)
Pressdrive	12	50/60	IP X5	10 bar	1,5 - 2,5 bar	≥ 0,7 bar	Max. given by the pump	40	1"	205333	205334

Dimension and weight

Model	A	B	Kg
Pressdrive	281	134	1,5



Automatic set for water supply

Applications

Automatic pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Silent.
Self-priming up to 2m.
Adjustable starting pressure range from 1,5 to 2,5 bar.

Materials

Prisma:

Pump body and impellers in AISI 304.
Pump shaft in AISI 431.
Diffusers in technopolymer.
Suction and discharge in cast iron with cathaphoresis coating.
Mechanical seal in aluminium-graphite.
Motor casing in aluminium.
O-rings in NBR/EPDM.

Pressdrive:

Plastic components in technopolymer.
Internal membrane in EPDM.

Motor

Asynchronous 2 poles.
IPX5 protection.
Class F insulation.
Built-in thermal protection.
Continuous operation.

Limitations

Maximum water temperature: 40° C.

Equipment

Built-in check valve.
Unions included.
2m of cable with plug type F.
Dry-protection function.
Automatic reset function.

Operation

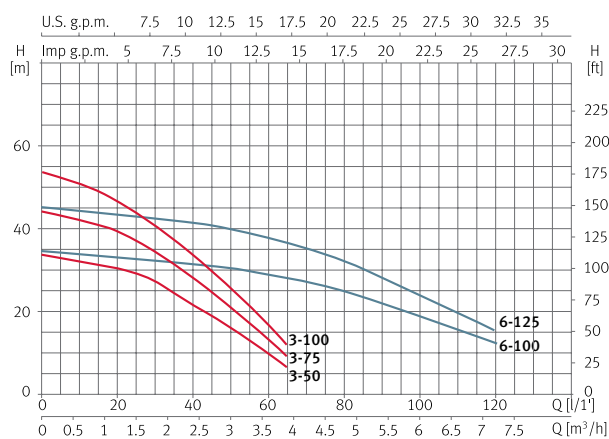
Automatic start and stop based on water demand.



Hydraulic performance table

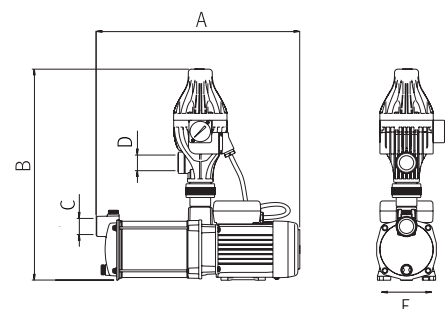
Model	I [A]	P1 [kW]	P2		c [μF]	l/min	20	40	50	60	100	120	Code
	1~230V	1~	[kW]	[HP]		m³/h	1,2	2,4	3	3,6	6	7,2	
PDS 3-50	2,7	0,61	0,37	0,5	12	mwc	30	22	17	11	-	-	199512
PDS 3-75	3,5	0,79	0,55	0,75	12		39	27	22	14	-	-	199513
PDS 3-100	4,1	0,95	0,75	1	12		47	34	25	17	-	-	199514
PDS 6-100	5,5	1,2	0,75	1	16		34	32	30	28	19	12	199515
PDS 6-125	6,8	1,5	0,9	1,2	16		44	42	40	37	24	15	199516

Performance curve at 2900 rpm



Dimension and weight

Model	A	B	C	D	E	Kg
PDS 3-50	390	431	1"	1"	102	11,2
PDS 3-75	413	431	1"	1"	102	11,7
PDS 3-100	437	431	1"	1"	102	12,7
PDS 6-100	420	529	1"	1"	118	15,2
PDS 6-125	447	529	1"	1"	118	16,3



Pressdrive 05 **Booster**



Automatic start and stop device

Applications

Assembled on a pump, automatic start and stop based on water demand.
Adjustable starting pressure range from 1,5 to 2,5 bar.

Materials

Plastic components in technopolymer.
Internal membrane in EPDM.

Equipment

Built-in check valve.
Unions included.
Model NP: Cables without plug.
Model 2E: Cables with plug type F.
Dry-protection function.
Automatic reset function.

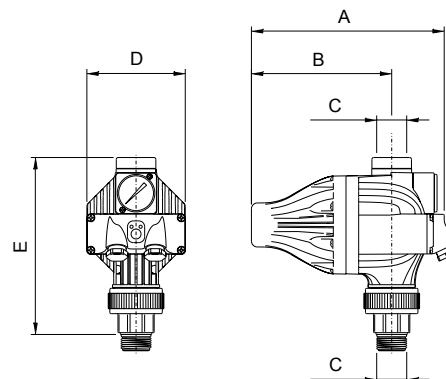


Feature table

Model	I [A] max.	Hz	Protection	Maximum pressure	Starting pressure	Diferencial pressure	Stopping pressure	Max. temp. [°C]	Ø Connection	Code	
										1~230V (Model NP)	1~230V (Model 2E)
Pressdrive 05	12	50/60	IP X5	10 bar	1,5 - 2,5 bar	≥ 1 bar	Max. given by the pump	40	1"	205331	205328

Dimension and weight

Model	A	B	C	D	E	Kg
Pressdrive 05	213	155	1"	108	195	1,5



PDS 05 Booster



Automatic set for water supply

Applications

Automatic pumping of clean water for domestic, industrial, agricultural and gardening purposes.
Silent.
Self-priming up to 2m.
Adjustable starting pressure range from 1,5 to 2,5 bar.

Materials

Prisma:

Pump body and impellers in AISI 304.
Pump shaft in AISI 431.
Diffusers in technopolymer.
Suction and discharge in cast iron with cathaphoresis coating.
Mechanical seal in aluminium-graphite.
Motor casing in aluminium.
O-rings in NBR/EPDM.

Pressdrive 05:

Plastic components in technopolymer.
Internal membrane in EPDM.

Motor

Asynchronous 2 poles.
IPX5 protection.
Class F insulation.
Built-in thermal protection.
Continuous operation.

Limitations

Maximum water temperature: 40° C.

Equipment

Built-in check valve.
Unions included.
2m of cable with plug type F.
Dry-protection function.
Automatic reset function.

Operation

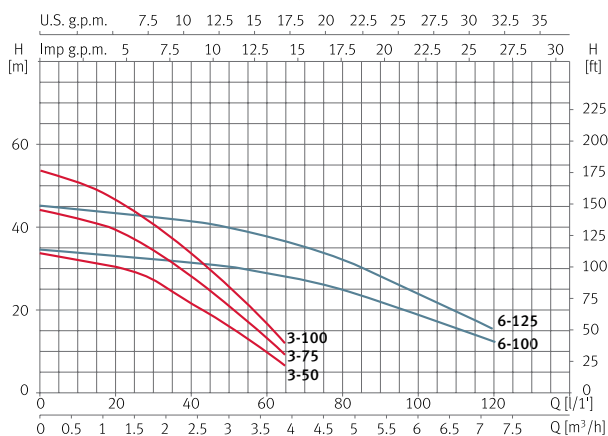
Automatic start and stop based on water demand.



Hydraulic performance table

Model	I [A]	P1 [kW]	P2		c [µF]	l/min	20	40	50	60	100	120	Code
	1~230V	1~	[kW]	[HP]									
PDS 05 3-50	2,7	0,61	0,37	0,5	12	mwc	30	22	17	11	-	-	204702
PDS 05 3-75	3,5	0,79	0,55	0,75	12		39	27	22	14	-	-	204703
PDS 05 3-100	4,1	0,95	0,75	1	12		47	34	25	17	-	-	204704
PDS 05 6-100	5,5	1,2	0,75	1	16		34	32	30	28	19	12	204705
PDS 05 6-125	6,8	1,5	0,9	1,2	16		44	42	40	37	24	15	204706

Performance curve at 2900 rpm



Dimension and weight

Model	A	B	C	D	E	Kg
PDS 05 3-50	390	345	1"	1"	102	10,8
PDS 05 3-75	413	345	1"	1"	102	11,3
PDS 05 3-100	437	345	1"	1"	102	12,3
PDS 05 6-100	420	443	1"	1"	108	14,8
PDS 05 6-125	447	443	1"	1"	108	15,9

