



RAIN HARVESTING · SYSTEMS

DIVERTRON

SUBMERSIBLE MULTI-IMPELLER ELECTRONIC PUMPS



TECHNICAL DATA

Flow rate: from 1 m³/h to 6 m³/h

Head up to: 45 m (900 version) - 30 m (650 version)

maximum immersion depth: 12 m

Type of pumped liquid: clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral **Liquid temperature range:** from 0°C to +40°C **Maximum operation depth:** 15

Flanges, thread: 1" (supplied as standard with a four-section fitting-reducer)

Pump maximum diameter: 160 mm

Impeller/s material: technopolymer

Maximum number of starts: 20/h

Protection class: IP 68

Motor insulation class: F

Single phase power input: 230 V 50 Hz

Power cable (m) and plug: 15 m H07RNF with power plug

Possible type of installation: fixed or movable in vertical position

Special versions on request: cable of different length, different type of power plug

Multi-impeller submersible pump with integrated electronic for automatic switching on and off. There are versions with two or three impellers available. The pump is designed for pressurization, gardening and irrigation in residential building service.

CONSTRUCTION FEATURES OF THE PUMP

Pump body and impellers in technopolymer to resist corrosion and oxidation. The delivery has an integrated non-return valve. There are version with anti-debris filter in technopolymer or fitting with brass insert for use with float suction kit (the X version). Version with float switch also available.

CONSTRUCTION FEATURES OF THE MOTOR

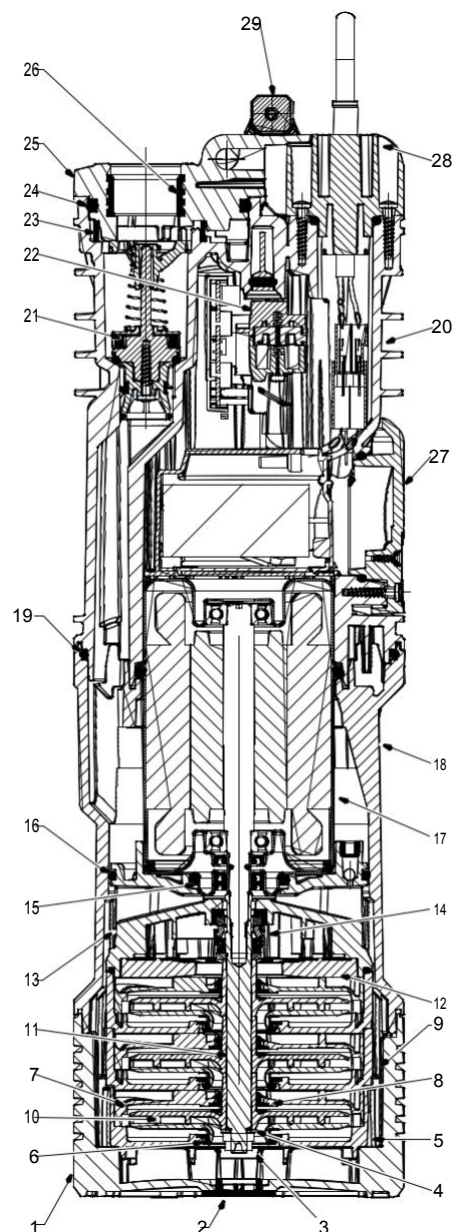
Asynchronous motor. Motor shaft in stainless steel AISI 416 + AISI 304. Integrated starting capacitor and thermal protection against overheating of the motor.

FEATURES OF THE ELECTRONIC

The electronics allow automatic switching on and off. The pressure switch and the flow sensor are integrated. Dry running protection. Quick access to the capacitor compartment.

MATERIALS

N°	PARTS		MATERIALS
1	BASE		TECHNOPOLYMER
2	INSPECTION CAP		EPDM
3	NUT		SS A2
4	WASHER		SS A2
5	FIRST STAGE CASE		TECHNOPOLYMER
6	FRONT FLOATING RING		TECHNOPOLYMER
7	DIFFUSER		TECHNOPOLYMER
8	BACK FLOATING RING		TECHNOPOLYMER
9	STAGE CASE		TECHNOPOLYMER
10	IMPELLER		TECHNOPOLYMER/SS AISI 304
11	SHAFT		SS AISI 303
12	FINAL DIFFUSER CAP		TECHNOPOLYMER
13	MOTOR FLANGE		TECHNOPOLYMER
14	MECHANICAL SEAL		CARBON-IMPREGNATED RESIN/CERAMIC/NBR
15	OR GASKET		EPDM
16	OR GASKET		EPDM
17	MOTOR	CAP	SS AISI 304
		MOTOR SHAFT	SS AISI 416
18	BODY		TECHNOPOLYMER
19	OR GASKET		EPDM
20	COVER		TECHNOPOLYMER
21	NON-RETURN VALVE		TECHNOPOLYMER/NBR/AISI 302/AISI A2/FERRITE
22	PRESSURE SWITCH		TECHNOPOLYMER/SILICONE
23	SAND FILTER		TECHNOPOLYMER
24	OR GASKET		EPDM
25	OUTLET COVER		TECHNOPOLYMER
26	INSERT		BRASS
27	CAPACITOR COMPARTMENT COVER		TECHNOPOLYMER
28	CABLE FLANGE		TECHNOPOLYMER
29	HANDLE		TECHNOPOLYMER



PERFORMANCE AT 50 HZ

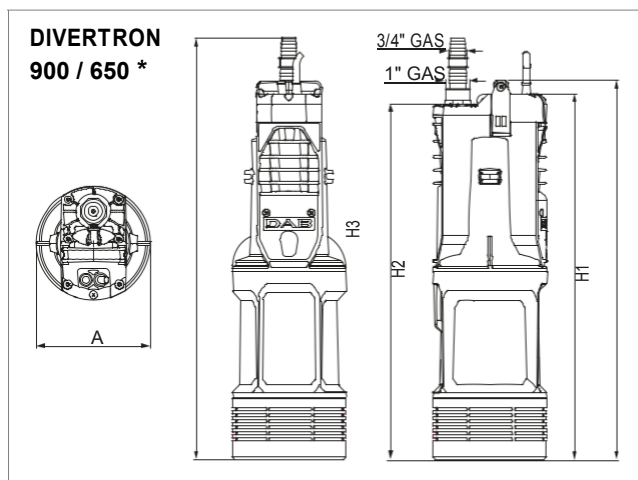
MODEL	HYDRAULIC DATA								
	Q=m³/h	0	1,2	1,8	2,4	3,0	3,6	4,2	4,8
	Q=l/min	0	20	30	40	50	60	70	80
DIVERTRON 900	H (mt)	44,5	40,9	37,8	34,1	30,2	25,3	19,8	13,6
DIVERTRON 650		29,6	26,8	24,7	22,2	19,8	16,4	12,5	8,2
DIVERTRON X 900		44,5	40,9	37,8	34,1	30,2	25,3	19,8	13,6
DIVERTRON X 650		29,6	26,8	24,7	22,2	19,8	16,4	12,5	8,2

DIVERTRON

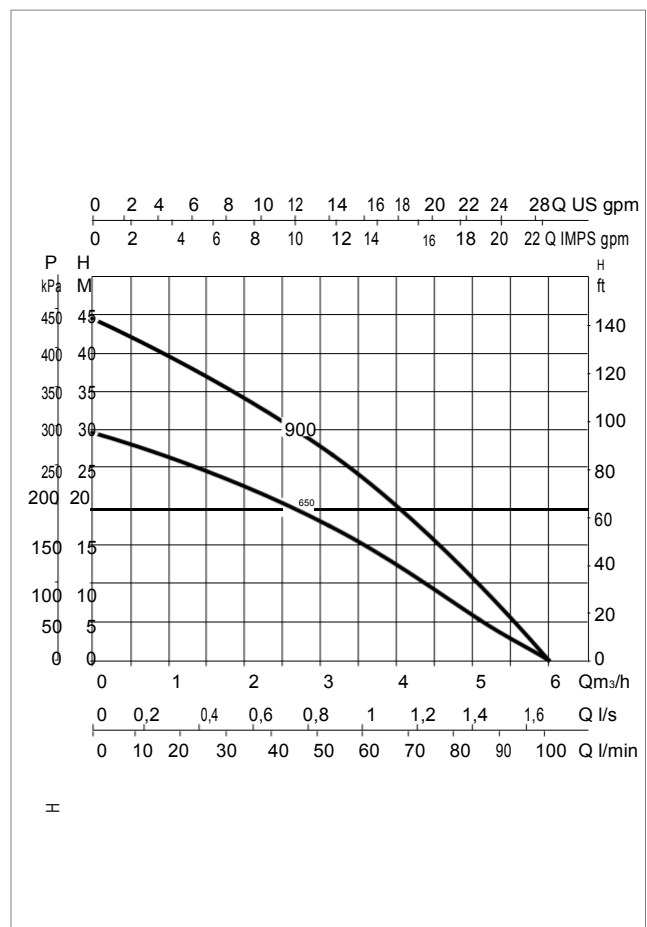
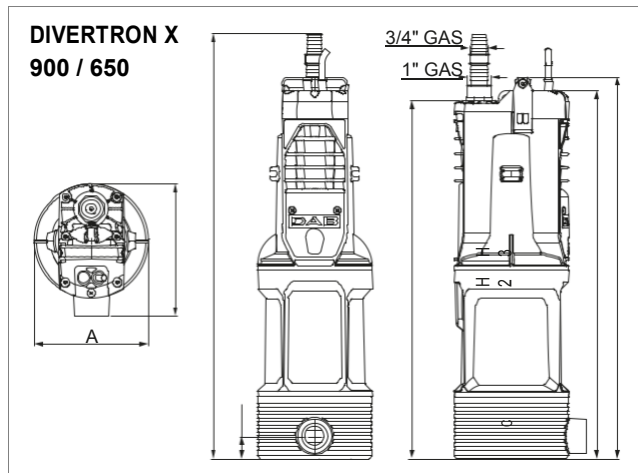
SUBMERSIBLE MULTI-IMPELLER ELECTRONIC PUMPS

ELECTRICAL DATA AND DIMENSIONS

MODEL	ELECTRICAL DATA							DIMENSIONS										PACKING VOLUME ³ dm	Q.TY X PALLET	WEIGHT Kg
	POWER INPUT 50 Hz	P1 W	P2 NOMINAL		In A	CAPACITOR		A	B	C	H	H1	H2	H3	PACKING DIMENSIONS					
			kW	HP		μF	V								L/A	L/B	H			
DIVERTRON 900	1 x 220-240 V ~	920	0,56	0,75	4,2	12,5	450	Ø 160	-	-	536	517	503	596	550	195	250	28,6	32	11
DIVERTRON 650	1 x 220-240 V ~	630	0,42	0,56	2,9	8	450	Ø 160	-	-	488	469	455	548	550	195	250	28,6	32	9,5
DIVERTRON X 900	1 x 220-240 V ~	920	0,56	0,75	4,2	12,5	450	Ø 160	186	33	536	517	503	596	550	195	250	28,6	32	11
DIVERTRON X 650	1 x 220-240 V ~	630	0,42	0,56	2,9	8	450	Ø 160	186	33	488	469	455	548	550	195	250	28,6	32	9,5



* Same dimensions for models 900 A - 650 A (with float switch)



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.