

Dimensions

AQUASTAR C 106 D



AQUAFIX BELGIUM BVBA
Tel. 013 66 83 03, WWW.AQUAFIX.BE



AQUAFIX MILIEU B.V.
Tel. 0297 26 29 29, WWW.AQUAFIX.NL

Dry well installation
Dimensions in mm, le

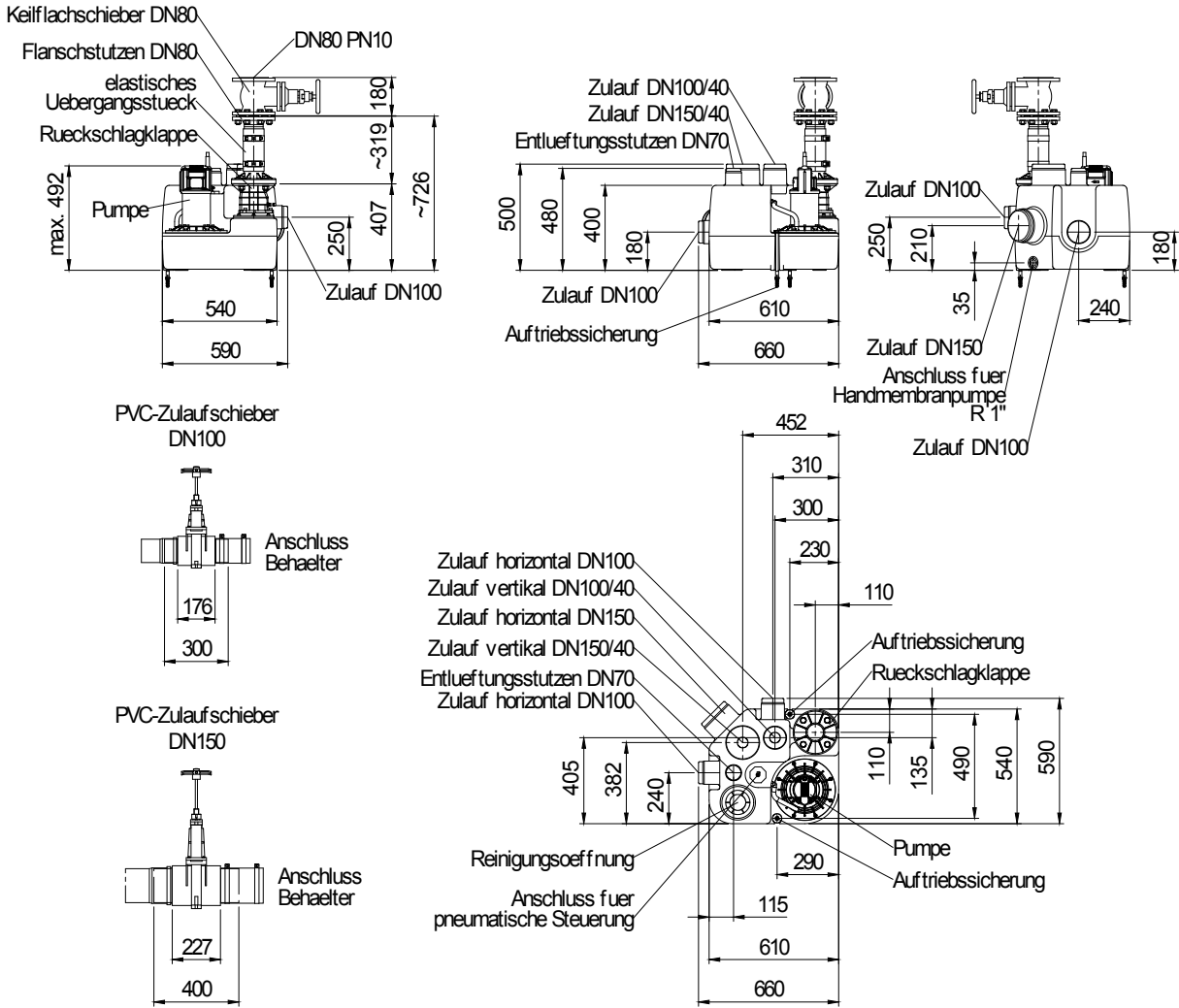


Table Dimensions (mm)

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Technical Data

AQUASTAR C 106 D



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Operating data					
Flow	0 m ³ /h	m ³ /h	Head	0	m
Shaft power P2		kW	Geodetic head	0	m
Pump efficiency	s	%	Required pump NPSH		m
Pumpe type	Single head pump		No. of pumps	1	
Fluid	Water, clean		Temperature	20 °C	
Density	998.3	kg/m ³	Kin. viscosity	1.005	mm ² /s

Pump					
Pump Code	AQUASTAR C 106 D		Speed	2900	rpm
Suction port			Head	Max.	12.5 m
Discharge port	DN80			Min.	0.9 m
Impeller type	Vortex impeller		Flow	Max.	34.0 m ³ /h
Solid size	40	mm	Pump efficiency max.	33.3 %	
Impeller Ø	118	mm	Required rated power max. P2	1.2	kW

Motor					
Motor version	Submersible motor		Insulation class	F	
Motor name	AM 120CM1,7/2 D		Degree of protection	IP 68	
Frequency	50	Hz	Temperature class		
Rated power P1	1.5	kW			
Rated power P2	1.2	kW	Explosion protection		
Rated speed	2900	rpm	Efficiency at % rated power	100%	80 (IE2) %
Rated voltage	400	V 3~		75%	%
Rated current	2.5	A		50%	%
Starting current, direct starting	11.9	A	cos phi at % rated power	100%	0.80
Starting current, star-delta	4.1	A		75%	
Starting mode	Directly			50%	
Power cable	6G1		Control cable		
Type of power cable	H07RN-F		Type of control cable		
Cable length	3 m		Service factor	1.15	
Shaft seal	Lip seals		Nitrile Rubber		
Bearing	Lower Bearing		Deep Groove Ball Bearing		
	Upper Bearing		Deep Groove Ball Bearing		
Remarks	s				

Materials / Weight			
Collecting tank	Polyethylene	Motor shaft	Stainless steel 1.4104
Impeller	Cast steel GS52	Swing check valve housing	Plastic PP-GF
Pressure cover of the pump	Plastic PP-GF	Pressure cover Flap valve	Grey cast iron EN-GJL-250
Motor housing cover	Plastic PP-GF	Bolts	Stainless steel
Motor housing	Stainless steel 1.4301	Elastomeres	Nitrile Rubber
Weight aggregat	33 kg		

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