

Water-assisted System WID/2/300/1,5

Main characteristic features:

- Volume-flow and pressure-controlled system
- Curve form freely programmable with ramp function
- Compact design for 2 cavities
- Emptying of components by blow-out
- Separate volume monitoring of each cavity also during pure pressure control
- TIK-WIT process selectable via touch panel



Fig.1 front view + operator panel

Application:

The MAXIMATOR Water-assisted System combines two equipment concepts in one system by providing both volume-flow and pressure control. This innovation remarkably extends the range of potential applications in the plastics industry.

Function:

Pressure is generated by a three-piston pump driven by an electric motor. One pressure accumulator is provided for each cavity. Pressurised water controls the injector.

Technical parameters

Typ	WID/2/300/1,5
Water-outlet	2 x Ermeto 12 S
Operating pressure max.	approx. 300 bar
Operating medium	Cold water supply 2 - 4 bar
Output capacity, max.	0-17 l/min, at 400 bar
Connected load	400 VAC - 15KW
Monitor	12" TFT SVGA
Compressed air supply	min. 7 bar
Weight	approx. 1,2t
Dimensions W x D x H	1550 x 1000 x 2100

The pressure accumulator charges the tool either directly via a proportional valve or through a pressure piston. Following reception of the start signal, both volume flow and pressure can be controlled. Additional volume metering is measuring the whole charged volume in both cases. Specified and generated values are graphically displayed on the touch panel. The touch panel is used for all necessary inputs and monitoring of process data.



Fig.3 Front view with open door



Fig.2 Rear view

The system is also equipped with a temperature and filling level monitoring function. Following depressurisation, components may be blown out with compressed air.

Design and installation are in particular focused on low maintenance demands, clear arrangement and easy handling of system components. This approach reflects the decade-long experience of MAXIMATOR in test stand and process plant engineering.