

## Product Information

### Universal Hydraulic Power Pack



#### Range of application

The universal hydraulic power pack further optimises specimen gripping. The connection is at the grips and the load frame via the Zwick/Roell measurement and control electronics testControl II.

The power pack is controlled via the test software *testXpert*®II and via the remote control unit of the testControl II Electronics and is connected to the testControl II Electronics. Thereby there are a lot of advantages for gripping and testing.

#### Four types of operation available

- Once off setting of the preselected gripping pressure
- Regulation at pressure reduction
- Continuous gripping at preselected gripping pressure
- Gripping at a gripping pressure that's proportional to the current test load (prop. factor freely selectable)

#### Advantages/Characteristics

- The automatic force constant hold reliably prevents unrequired tensile or compression forces, caused by material being displaced or by specimen grip deformation, being applied to the specimen during the closing and gripping sequences.
- The Standard Hydraulic Power pack is interconnected to the emergency off system of the testing machine. Therefore we guarantee the highest degree of safety.
- With the intelligent test position concept of *testXpert*®II you have the possibility to store the test parameters and the test position automatically to the specific test.
- Operation as well as pressure pre-set of closing and main pressure via test software *testXpert*®II or via universal machine remote control of the testControl II Electronics.
- A maintenance free construction and a long life span distinguish this power pack.
- The universal power-pack enables optimum matching of the specimen grips to the test situation (system specimen grips, application and type of test). This allows flow-rate adjustment and adjustment of operating pressure from 30 bar.

## Product Information

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Order item	324548
Operation and documentation of the test parameter via the test software <i>testXpert</i> ® II or <i>testXpert</i> ®	
Dimensions (W x H x D)	611 x 772 x 620
Working pressure <sup>(1)</sup>	30 ... 480 bar
Flow capacity	0 ... 9.8 l/min (adjustable)
Weight	approx. 150 kg
Power rating	1.8 kW
Safety	EMERGENCY OFF link, CE conformity
Noise emission	64 dB; with cooling fan max. 70 dB
Force-zero control	- Prevents impermissible loading of the specimen during the close and gripping procedure
Types of operation	- Once off setting of the preselected gripping pressure - Regulation at pressure reduction - Continuous gripping at the preselected gripping pressure - Gripping at a gripping pressure that's proportional to the current test load (proportionality factor freely selectable)
Here is required	- CAN-BUS measurement module (it is not necessary to order another one if this module exists already because of an automatic extensometer) - Expanded remote control unit - Connection tubes

<sup>(1)</sup> This max. pressure is only concerning the power pack. A lower max. pressure can result in combination with grips

#### Connection tubes

For 1 pair of specimen grips 4 connection tubes are required.

Description	Item number
4 connection tubes, length 2.5 meter each	<b>325161</b>
4 connection tubes, length 2.5 meter each, for use in temperature chambers	<b>325163</b>
4 connection tubes, length 2 x 2.5 meter and 2 x 4 meter	<b>053793</b>
4 connection tubes, length 2 x 2.5 meter and 2 x 4 meter, for use in temperature chambers	<b>053796</b>