

SEPERATED TEST CONTROL SYSTEM

type HPU-sep

A HPU seperate (HPU-sep) can give you maximum safety during the process of testing objects.

The HPU is a seperated workshop test control system that is available in different configurations. Which gives you the opportunity to find the HPU system that fits your specific test requirements.

With the HPU-sep in combination with a Resato test system you can create a test bay setting. The high pressure test system and the test object are positioned in the test bay and the HPU-sep control panel is placed in a seperate control room. This results in a fully seperated setup with no high pressure components outside of the test bay, which offers you safe test circumstances.



KEY FEATURES

- Fully seperated setup
- Engraved operating panel
- Wall mounted operating panel
- Suitable for pressurizing with water or mineral based hydraulic fluids (alternatives on requests)

KEY SPECIFICATIONS

- Emergency stop button
- Available in 4 configurations

ORDERING CODE

Contact Resato International B.V.

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 - www.resato.com
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SYSTEM DESCRIPTION

OPTIONS

Optionally the HPU-sep can be extended with hoses, a hose reel, adapters and quick connectors; a door locking actuator; an override switch for the test bay entrance (one or multiple test bays); extra flashing lights; a pre-fill system; an interchangeable calibration solution and camera systems. Please contact our sales department if you have a request for other options.

SAFETY

The safety features of the HPU-sep include a fully separated setup (no high pressure components outside the test bay), an emergency stop button, a safety light that is system mounted and indicates pressure build up, door safety switches, remote de-airing (Basic+ excluded), an engraved operating panel. Besides, one cannot enter the test bay at pressures > 300 psi.

REGULATIONS

Resato manual controlled workshop systems are manufactured according to European regulations and will be delivered including an operating manual, a maintenance manual and a spare parts manual. Also a test certificate and calibration certificates for the transmitters are included.

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4 CONFIGURATIONS

Features*	HPU-sep-S1	HPU-sep-S2	HPU-sep-S3	HPU-sep-S4
Key features				
Max. pressure	25,500 psi	25,500 psi	25,500 psi	25,500 psi
No. of hydrostatic test lines	1	1	Dual	Dual
Object protection (max. system pressure and controlled pressure bleed)	x	x	x	x
De-air skid		x	x	x
Control line				
Control line			Dual	4x dual
High pressure pump			x	x
Reservoir 40 l			x	x
Inline 5 micron high pressure filter that ensures clean fluid			x	x
Measurement				
Panel mounted digital read-outs	x	x	x	x
Low pressure read-out on test line		x	x	x
Provided with multiple pressure transmitters to ensure absolute accuracy < 3% within range 900 – 25,500 psi		x	x	x
Data acquisition system	x	x	x	x
Measuring accuracy: 0,5% FS	x	x	x	x
Safety				
Emergency stop button	x	x	x	x
Safety light	x	x	x	x
Remote de-airing	x	x	x	x
No test bay entrance for pressures > 300 psi	x	x	x	x
Fully separated setup (no high pressure components outside the test bay)	x	x	x	x

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4 CONFIGURATIONS

Features*	HPU-sep-S1	HPU-sep-S2	HPU-sep-S3	HPU-sep-S4
System				
Air operated valves which enable smooth operation and ensure long durability	x	x	x	x
Proven reliability	x	x	x	x
Low noise level	x	x	x	x

*) Please contact our sales department for more information about the four different configurations of the HPU-sep.

TECHNICAL SPECIFICATIONS

DIMENSIONS

Control panel

HPU-sep-S1	650x750x350 mm (lxwxh)
HPU-sep-S2	650x750x350 mm (lxwxh)
HPU-sep-S3	650x1150x450 mm (lxwxh)
HPU-sep-S4	650x1150x450 mm (lxwxh)

High pressure system

HPU-sep-S1	650x1100x1250 mm (lxwxh)
HPU-sep-S2	650x1100x1250 mm (lxwxh)
HPU-sep-S3	650x1500x1250 mm (lxwxh)
HPU-sep-S4	650x1500x1250 mm (lxwxh)

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WEIGHT

Control panel

HPU-sep-S1	60 kg
HPU-sep-S2	60 kg
HPU-sep-S3	80 kg
HPU-sep-S4	80 kg

High pressure system

HPU-sep-S1	200 kg
HPU-sep-S2	200 kg
HPU-sep-S3	250 kg
HPU-sep-S4	250 kg

CONNECTIONS

High pressure connection	FU3 (1 1/8"-12 UNF for 9/16" HP tube)
Inlet connection	1/2" BSP-F
Drain	1/2" BSP-F
Air inlet connection	1/2" BSP-F
Electric USB	240VAC, 50 Hz (or to be discussed)
Test medium	Water or mineral based hydraulic fluids (alternatives available on request)

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V0.1 - Please note that general data and specifications given in this brochure are subject to change without notice.

Feel free to contact our sales department if you need more definite information.