Test Benches & Cleaning Machines

Reliable, clean and eco-friendly.

Universal
For all types of hoses and fittings.

Ecoline
Value driven solution for less frequent use.

Integrated Tank
Saves work space and is quiet.

P 160 Ecoline | P 160 | P 250 | P 300 | P 350 | RG 2 | RG 10

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UNIFLEX

P 160

Hose lines that cannot withstand the high pressure for which they are designed can cause serious damage, resulting in high costs - often higher than the price of a test bench. Why take a risk that can be easily avoided?

By testing the quality of your products, you opt for safety. The P 160 or P 160 Ecoline workshop test benches allow for the efficient and safe final inspection and testing of hose lines. They are easy to operate and quickly become part of your routine procedures.

P 160

P 160 Ecoline

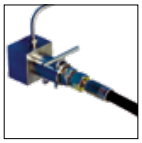
Quality and safety
Fully enclosed test chamber
Also suitable for static pressure testing of various hydraulic components such as valves, hydraulic cylinders, housings, quick-release couplings, etc.
Safety valve – when the hood is opened, all pressure is automatically released within 1/10 second
Hood with gas springs and transparent Makrolon® safety pane
Environmentally friendly test medium (water-oil emulsion)
Easy and safe to operate
Test bench can be retrofitted with extension element (P 160)
Logging software/printer available as optional equipment (Control B+ Touch) (P 160)
Compressed air filter with condenser
Innovative technology for fast processing
Parts to be tested (hose lines) can be inserted quickly by means of our Steck-O-System and without any time-consuming preparation or modifications to the tank
Fast filling and automatic pressure release of tested parts
CE compliant
Hood with gas springs and transparent Makrolon® safety pane

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package

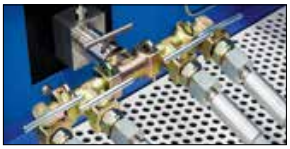
P 160 Package/
P 160 Ecoline Package
Machine
+ Steck-O-Adapter metric 405.901
+ Steck-O-Adapter imperial 405.902
+ Anticorrosion additive EM CO - 18 kg

Standard



Steck-O-System

Accessories



4 Steck-O-Adapter 405.6.

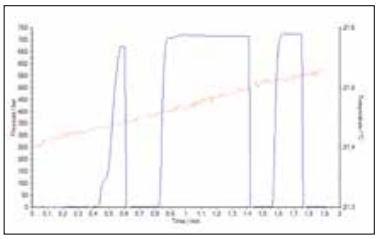
Technical Data

P 160 Ecoline

P 160

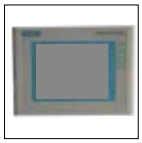
Technical data	P 160 Ecoline	P 160
Test pressure	150 - 1 300 bar	150 - 1 300 bar
Drive	Intensifier	Intensifier
Flow	1,1 L/min	1,1 L/min
Capacity	7 bar, 20 Nl/min	7 bar, 20 Nl/min
Tank dimensions	1 200 x 600 x 250 mm	1 590 x 795 x 370 mm
Test bench dimensions	1 400 x 600 x 1 200 mm	2 210 x 950 x 1 325 mm
Reservoir capacity	33 L	100 L
Colour	RAL 5012 Blue	RAL 5012 Blue, RAL 7021 Grey
Weight	120 kg empty	210 kg empty
Noise level	72 dBA	72 dBA
Accessories		
Suction filter	✓	✓
Air preparation unit	✓	✓
Steck-O-Adapter (s-series only)	DN 4/6/8/10/12/ G 1/2" 405.901	DN 4/6/8/10/12/ G 1/2" 405.901
Steck-O-Adapter (s-series only)	R 1/4"/ 3/8"/ 1/2"/ 3/4"/ G 1/2" 405.902	R 1/4"/ 3/8"/ 1/2"/ 3/4"/ G 1/2" 405.902
Anticorrosion additive	EM 10 l	EM 10 l
Options		
Alternative drive only with pre filling pump 405.904/405.914	-	0,38 kW, 400V 50Hz 3Ph
High pressure* (Steck-O-System not available)	-	150 - 3 000 bar
Low pressure*	-	20 - 1 300 bar

* Only one of the two options possible.



UPP Protokoll

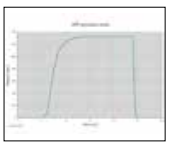
Options



Control B + Touch (only for P 160)

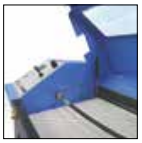
The P 160 is also available in stainless steel

P 160 extension element
407.3150: Total chamber length 3 600 mm
407.3250: Total chamber length 4 400 mm



UPP Pressure Sensor for test benches.

Additional Information



Steck-O-System:

- Clean, quick and reliable connection
- Push-in system for easy assembly
- Ample space in chamber
- Adapter for fast connection

P 250

The P 250 Test Bench with Control C.2 IPC is a new modular test bench that can be adapted to your needs. It offers the possibility to test with Steck-o, Hand or Hydraulic quick cone system. You can also install a Euro Pallet inside. The Chamber also accepts a non-end extension if you prefer to test a hose lengthwise. The controller offers all parameters for a fully automatic test, with visualization of the pressure and may other features but also connectivity to your server or other machine in line with industry 4.0.

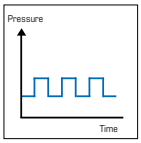
P 250

Quality and safety
Fully enclosed test chamber
Also suitable for static pressure testing of various hydraulic components such as valves, hydraulic cylinders, housings, quick-release couplings, etc.
Safety switch - when the hood is opened, all pressure is automatically released within 1/10 second
Environmentally friendly test medium (water-oil emulsion)
Easy and safe to operate
Quick changeover between automated and manual setup mode
Test bench can be retrofitted with extension element
Up to 120 tests per hour for a max. length of 2 500 mm (DN 12-800 mm)
Innovative documentation management
Time-saving product parameter memory
Proper documentation and controlling
Test reports printed on printer (optional)
CE compliant
Hood with gas springs and transparent Makrolon® safety pane

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Package

P 250
Machine
+ Steck-O-Adapter 414.1000
+ Anticorrosion additive EM CO - 18 kg



Dynamic test.

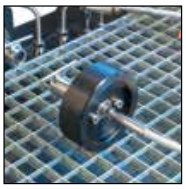
Steck-O-4 Fach

Hand clamping cone

Technical Data

P 250

Technical data	P 250
Test pressure	150 - 1 500 bar
Control	C.2 IPC
Drive	Intensifier
Flow rate (effectively)	7,5 L/min
Air supply	7 bar, 60 Nl/min
Tank dimensions	2 194 x 890 x 470 mm
Test bench dimensions	2 700 x 1 450 x 1 550 mm
Reservoir capacity	120 L
Loading	250 kg
Weight	570 kg
Noise level	75 dBA
Electrical connection	3 VAC
Options	
High pressure	150 - 3 000 bar
Low pressure	20 - 1 500 bar
Stainless steel tank	✓
Extended version on request L x W x H (mm) Weight	2 220 x 1 000 x 1 400 420 kg



Steck-O adapter and screw connection:

1 x Steck-O up to 1500 bar:	414.1000
4 x Steck-O up to 1500 bar:	414.1012
1 x Screw connection up to 1500 bar:	414.1001
4 x Screw connection up to 1500 bar	414.1011
1 x Screw connection up to 3000 bar:	414.1008
4 x Screw connection up to 3000 bar:	414.1013

Fast clamping system:

1 x Hand clamping cone up to 1500 bar:	414.1002
3 x Hand clamping cone up to 1500 bar:	414.1032
1 x Hand clamping cone up to 3000 bar:	414.1005
3 x Hand clamping cone up to 3000 bar:	414.1035
1 x Hydraulic clamping cone up to 1500 bar:	414.1003
3 x Hydraulic clamping cone up to 1500 bar:	414.1033
1 x Hydraulic clamping cone up to 3000 bar:	414.1004
3 x Hydraulic clamping cone up to 3000 bar:	414.1034

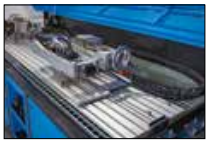
Tank Extension n°: 414.2100.0

Extension kit 1 x Steck-O:	414.1290
Extension kit 1 x Screw connection up to 1500 bar:	414.1290
Extension kit 1 x Screw connection up to 3000 bar:	414.1208
Extension kit 1 x Hand clamping cone up to 1500 bar:	414.1202
Extension kit 3 x Hand clamping cone up to 1500 bar:	414.1232
Extension kit 1 x Hand clamping cone up to 3000 bar:	414.1205
Extension kit 3 x Hand clamping cone up to 3000 bar:	414.1235
Extension kit 1 x Hydraulic clamping cone up to 1500 bar:	414.1203
Extension kit 3 x Hydraulic clamping cone up to 1500 bar:	414.1233
Extension kit 1 x Hydraulic clamping cone up to 3000 bar:	414.1204
Extension kit 3 x Hydraulic clamping cone up to 3000 bar:	414.1234

Hand quick cone system

Hydraulic quick cone system

Different cones



Extension of quick system to 3 lines

Barcode Scanner BCR CTR2C-Kit

P 300 | 350

With the P 300, you can perform precision tests of hoses of up to 2 500 mm in length and with pressures up to 1 000 bar. Test up to 120 hoses per hour, making use of 4 parallel test lines and our quick-clamping system. You can choose between automated and manual setup mode. Our P 350 test bench unifies our years of experience with your advanced requirements for special hose equipment. The extra-large test chamber gives you the space you need for your challenge. Pallets with hoses as well as large, heavy hose coils can be easily supplied to the chamber by forklift. Hose samples are connected easily with adapter hose and quick connection to pressure ports.

P 300

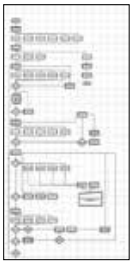
P 300 Aggregate

P 350

Innovation and quality
4 parallel test lines
Combination of two test chambers (mirror arrangement) (optional)
Fast workflow thanks to separately running test chambers (for alternate setup and testing)
Quick-clamping system holding up to 4 hoses for parallel testing with customized settings
Internal lighting system, adjustable machine feet and top-quality internal gear pump
Quick changeover between automated and manual setup mode
Separate portable power aggregate (with 2 m connecting hoses)
Max. hose length 2 500 mm
Safety and CE conformity
Automatic closing of test chamber (P 300)
Large inspection window made with transparent Makrolon®
Display for bubble-free flooding on aggregate
Customisable test logs and reports (for storage and printing)

We reserve the right to make technical changes without notice. Options are machine parts that can only be ordered while buying the machine.

Control C.2: Accessories



Customized software

Barcode scanner

Options

P 300 Aggregate - 2 NVA Control Unit for two test chambers

409.1 Deventilation of residual pressure
409.2 Manual door closing for tight circuit
409.3 Low pressure 50-1000 bar

Technical Data

P 300

P 350

Technical data	P 300	P 350
Test pressure	150 - 1 000 bar	150 - 1 000 bar
Control	C.2 IPC	C.2 IPC
Drive	Diaphragm pump + Intensifier	Diaphragm pump + Intensifier
Flow rate (effectively)	5 L/min	12.5 L/min
Tank dimensions open/ closed	3 750 x 2 400 x 870 mm/ 3 750 x 1 450 x 870 mm	P 350 Container: External: 2 100 x 2 170 x 2 650 mm Internal: 1 950 x 1 950 x 2 200 mm P 350_Chamber-3 600: External: 4 100 x 950 x 1 325 mm Internal: 3 600 x 795 x 370 mm
Aggregate dimensions	830 x 740 x 1 340 mm	850 x 1 390 x 810 mm
Reservoir capacity	120 L	P 350 Container: 1040 L, P 350_Chamber-3600: 330 L
Colour	RAL 5012 Blue, RAL 7021 Grey	RAL 5012 blue/RAL 7021 grey/RAL 9002 grey-white
Weight of tank	1 000 kg (empty)	P 350 Container: 650 kg P 350_Chamber-3 600: 390 kg
Weight of power unit	210 kg (empty)	210 kg
Noise level	75 dBA	75 dBA
Max. hose length	up to 2 500 mm	
Test medium	Water-oil emulsion EM CO-18 kg	Water-oil emulsion EM CO-18 kg
Accessories		
Pressure + return filter	✓	✓
Air preparation unit	✓	✓
Sealing cone set	✓	✓
Options		
Second chambers are possible	✓	✓

Standard P 300
Sealing cone set
USB interface/port
Pressure filter 12 µm
Return filter 12 µm
Compressed air maintenance unit

Standard P 350
Quick connector set (SSKV)
Automatic pressure control
Pressure filter 5 µm
Suction filter 100 µm
Anticorrosion additive EM 10 L
Fluid flow inspection glass
Integrated tank

2 clamping discs per head, catering to various diameters (OD 8-42 mm).

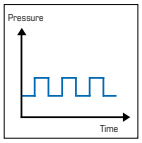
For hose assembly up to DN 19 (3/4"). Other sizes on demand.

Additional Information

Sealing cone set (standard), DN 2.5 - 22 mm, 6 cones.

The height of the P 300 can be adjusted.

Axially adjustable quick-change system with adjustable rotating head.



Dynamic test.

- Rapid hose clamping system for the admission of up to four hoses with simultaneous checking (variable setting)
- Parallel test lines – four test lines per chamber
- Automatic starting of the given pressure values
- Two test chambers are possible – mirroring (one is loaded while a second chamber is testing)
- Test chamber standard size 3 600 mm
- Depending on different factors (flooding time, length + diameter of the hoses) you can test approx. 120 hoses per hour
- Adjustable height
- Fitting cones 3/4" (DN 2,5 – 22 mm) easy to change via simple unlinking (6 different cone sizes are available in standard package)