
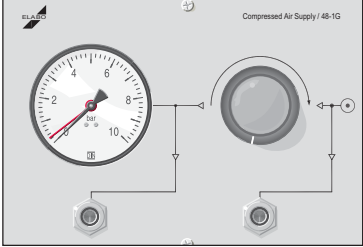
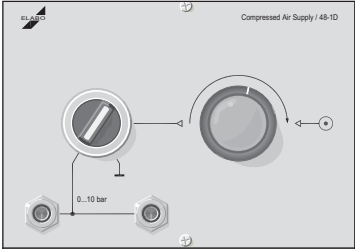


8.17 Pneumatic supply

Pneumatic supply

All of the pneumatics insert plates are also available with other pressure ranges upon request. Customised versions are also possible in individual cases: special couplings, pressure reducers, filters and controllers according to specification.

	Technical Data	Order no.
Compressed air supply 3HU / 6HP	 <p>Insert plate with</p> <ul style="list-style-type: none"> 1 quick-release coupling NW 5 1/8 1 plug nipple NW 5 for plastic hose 6/4 	48-1K
Compressed air supply 3HU / 36HP	 <p>1 pressure regulator 0.5...10bar, 1 small pressure gauge 0...10bar</p> <ul style="list-style-type: none"> 2 rapid-release couplings NW 2.5 for input pressure and controlled pressure 1 plug nipple 	48-1G
Compressed air supply 3HU / 36HP	 <p>Insert plate with supply unit for pressure</p> <ul style="list-style-type: none"> 1 adjustment valve at which the externally supplied pressure is connected 1 3/2 way valve, with which the set pressure can either be connected or switched off at the two one-handed rapid release couplings 2 one-handed rapid release couplings NW 2.5 1 plug nipple NW 2.5 <p>Pressure range</p> <ul style="list-style-type: none"> 0 ... 4bar 0 ... 10bar 	48-1D Z01 48-1D Z02

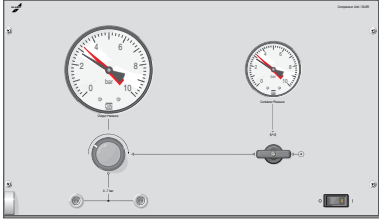
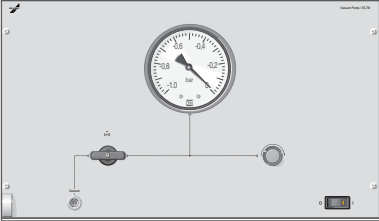
Pneumatic accessories

	Technical data	Order no.
Connection hose 6/4mm	one-sided plug nipple NW 5 10bar 500mm	48-5A
	one-sided plug nipple NW 5 10bar 1000mm	48-5B
	one-sided plug nipple NW 5 10bar 2000mm	48-5C
	one-sided plug nipple NW 2.5 10bar 500mm	48-5P
	one-sided plug nipple NW 2.5 10bar 1000mm	48-5Q
	one-sided plug nipple NW 2.5 10bar 2000mm	48-5R
Pressure gauge threads	R 1/8"	48-5H
	R 1/4"	48-5J
	R 3/8"	48-5K
	R 1/2"	48-5L
High-pressure hose DN4	Mini-measurement connections 400bar 630mm	48-5D
	Mini-measurement connections 400bar 1000mm	48-5E
Plug nipple for one-handed quick-release couplings	NW 5 for KU hose 6/4mm	48-5M
	NW 2.5 for KU hose 6/4mm	48-5N
Air supply 10bar for inserts in desktop racks	Coupling type 3 demands	48-5SZ
	Coupling type 5 demands	48-5TZ
	The line is laid on the rear side with the desktop rack. Z = please specify respective assembly.	

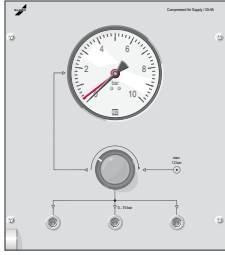
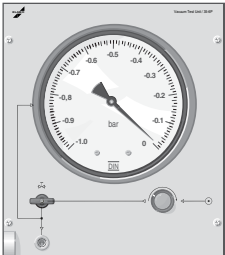



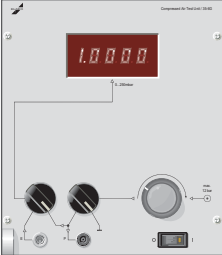
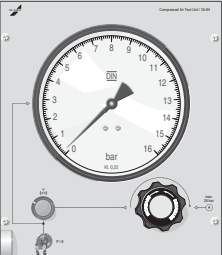
Pneumatic compressor, vacuum pump

Elabo offers an extensive product range of pressure and vacuum supplies, supplemented by testing and meters. This variety can be extended even further when a rack mount is used to support supplies from the 3HU system. The pneumatic inserts are available with special pressure ranges. Customised versions are also possible, e.g. special couplings, water pressure measurement, flow measurement, etc

		Technical Data	Order no.
Oil-free compressor 6HU / 4WU		<p>Insert with oil-free compressor for generating oil-free instrument air.</p> <p>Nominal pressure: 7bar</p> <p>Flow rate: 35l / min</p> <p>Sound pressure level: 57dB(A)</p> <ul style="list-style-type: none"> 1 pressure reducer 2 pressure gauges <ul style="list-style-type: none"> 1 self-closing quick-release couplings NW5, can be switched via ball valve 2 plug nipples 	35-6R
Oil-free vacuum pump 6HU / 4WU		<p>Insert with vacuum pump in oil-free operation</p> <p>Flow rate: 32l / min</p> <p>Generated vacuum: approx. 850mbar</p> <p>Control range: approx. 850...133mbar (approx. 700...100Torr)</p> <p>Setting accuracy: approx. 13mbar (10Torr)</p> <p>Mains supply: 230V / 50Hz</p> <p>Sound pressure level: approx. 57dB(A)</p> <ul style="list-style-type: none"> 1 pressure gauge <ul style="list-style-type: none"> 1 self-closing quick-release coupling NW5, can be switched via ball valve 1 plug nipple 	35-7M

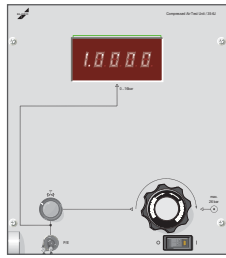
Pneumatic pressure supply, meter and testing equipment

		Technical data	Order no.
Pressure supply 6HU / 2WU		<p>Insert for pressure supply</p> <ul style="list-style-type: none"> 1 flange pressure gauge 0...10bar 1 pressure regulator 0.5...10bar 3 self-closing coupling sockets NW5 for pressure tapping 2 plug nipples 1 hose thread for connection to the pressure supply 	35-6A
Pressure supply 6HU / 2WU		<p>Insert for pressure supply</p> <ul style="list-style-type: none"> 1 flange pressure gauge and pressure reducer 0.5...10bar, with water separator and oil mister 1 pressure regulator 3 self-closing coupling sockets NW5 for pressure tapping 2 plug nipples 1 hose thread for connection to the pressure supply 	35-6B
Pressure supply 6HU / 2WU		<p>Insert with vacuum pressure meter</p> <ul style="list-style-type: none"> 1 analogue fine pressure gauge, class 0.6 Measurement range 0...-1000mbar 1 precision vacuum regulator with good reproducibility for precise adjustment of the output pressure 1 self-closing coupling socket NW5 for vacuum tapping 1 plug nipple <p>Vacuum must be supplied at the installation site!</p>	35-6P
Pneumatic meter and testing equipment 6HU / 2WU		<p>Insert for pressure measurement and testing with analogue display</p> <p>Can be used as a regulator (setpoint device) or as an external meter and for performing leakage tests. Input pressure maximum 12bar.</p> <ul style="list-style-type: none"> 1 fine pressure gauge 0...1bar, class 0.6 1 precision pressure regulator for delicate pressure settings 1 3/2-way valve for performing leakage tests 1 3/2-way valve for utilisation of the pressure meter as an external meter 2 self-closing coupling sockets NW5 for pressure tapping or measurement pressure feed 1 plug nipple <p>The pressure supply must be provided at the installation site.</p>	<p>0...1.0bar 35-6C Z01</p> <p>0...2.5bar 35-6C Z02</p> <p>0...6.0bar 35-6C Z03</p> <p>0...10.0bar 35-6C Z04</p>

Pneumatic meter and testing equipment 6HU / 2WU		Technical Data	Order no.
		<p>Insert for pressure measurement and testing with digital display</p> <p>Can be used as a regulator (setpoint device) or as an external meter and for performing leakage tests.</p> <p>Input pressure maximum 12bar.</p> <ul style="list-style-type: none"> 1 digital display 4.5-digit 1 piezo-resistive precision pressure absorber, class 0.15 1 precision pressure regulator for delicate pressure settings 1 3/2-way valve for performing leakage tests 1 3/2-way valve for utilisation of the pressure meter as an external meter 2 self-closing coupling sockets NW5 for pressure tapping or measurement pressure feed 1 plug nipple <p>The pressure supply must be provided at the installation site.</p>	
		0...250mbar	35-6G Z01
		0...1bar	35-6G Z02
		0...2bar	35-6G Z03
		0...4bar	35-6G Z04
		0...6bar	35-6G Z05
		0...10bar	35-6G Z06
Pneumatic high pressure Meter and testing equipment 6HU / 2WU		<p>Insert for high pressure measurement and testing with analogue display</p> <p>Can be used as a regulator (setpoint device) or as an external meter and for performing leakage tests.</p> <ul style="list-style-type: none"> 1 class 0.6 analogue pressure gauge 1 precision pressure regulator for delicate pressure settings 1 pressure shut-off valve 1 mini-measurement coupling for pressure tapping or supplying measured pressure <p>The pressure supply must be provided at the installation site.</p>	
		0...16bar	35-6H Z01
		0...25bar	35-6H Z02
		0...40bar	35-6H Z03
		0...60bar	35-6H Z04
		0...100bar	35-6H Z05

Pneumatic meter and testing equipment

Pneumatic high pressure
Meter and testing equipment
6HU / 2WU



Technical data

Order no.

Insert for high-pressure measurement and testing with digital display
Can be used as a regulator (setpoint device) or as an external meter and for performing leakage tests.

- 1 digital display 4.5-digit
- 1 piezo-resistive precision pressure absorber, Class 0.15
- 1 precision pressure regulator for delicate pressure settings
- 1 pressure shut-off valve
- 1 mini-measurement coupling for pressure tapping or supplying measured pressure
- 1 illuminated rocker switch

The pressure supply must be provided at the installation site.

0...16 bar

35-6J Z01

0...25 bar

35-6J Z02

0...40 bar

35-6J Z03

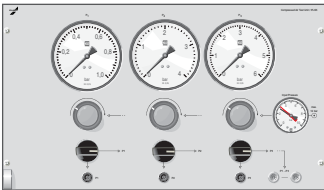
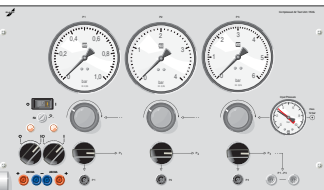
0...60 bar

35-6J Z04

0...100 bar

35-6J Z05

The pneumatic inserts presented below could represent five different measurement ranges: 0...1bar, 0...2.5bar, 0...4bar, 0...6bar and 0...10bar. The set test pressure is switched directly to the outlet quick-release fasteners with the aid of the three 2/2-way valves, each of which is assigned to a measurement range. The internal compressed air is displayed with the aid of an additional small pressure gauge.

Pneumatic testing equipment 6HU / 4WU		Technical Data	Order no.
		Insert for testing pneumatic control elements and transmitters Inlet pressure: maximum 12 bar 3 class 1.0 analogue instruments 0...1bar 0...4bar 0...6bar 1 small pressure gauge 0...10bar for monitoring the internal compressed air 3 precision pressure regulator 3x 2/2-way valves for switching the test pressures to the output quick-release couplings for pressure tapping 5 self-closing coupling sockets NW 5 3 plug nipple	35-6K Z01
		0...1 / 2.5 / 6bar	35-6K Z02
		0...2.5 / 4 / 6bar	35-6K Z03
		0...1 / 4 / 6bar	
		Additional measurement ranges available upon request.	
Pneumatic testing equipment 6HU / 4WU		Insert for testing pneumatic or electropneumatic control elements and transmitters (with jog mode) Inlet pressure: maximum 12 bar 3 class 1.0 analogue instruments 0...1bar 0...4bar 0...6bar 1 small pressure gauge 0 ... 10 bar for monitoring the internal compressed air 3 precision pressure regulator 3x 2/2-way valves for switching the test pressures to the output quick-release couplings for pressure tapping 5 self-closing coupling sockets NW 5 3 plug nipple 1 additional direct current supply, with 2 x 24V, 4A total current (for both outputs), ripple 48 % 2 switches and 2 x 2 laboratory safety sockets 1 circuit breaker 1 illuminated rocker switch	35-6L Z01
		0...1 / 2.5 / 6bar	35-6L Z02
		0...2.5 / 4 / 6bar	35-6L Z03
		0...1 / 4 / 6bar	
		Additional measurement ranges and output voltages available upon request.	