



H&T ProduktionsTechnologie

# FOR SALE

hydroforming metal bellow  
machine

APMY 400

Diameter 58 to 405 mm



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The APMY 400 hydroforming machine is a single-purpose machine designed exclusively for the semi-automatic production of metal bellows.

Single- or multi-walled metal sleeves with a nominal size of DN 58 to DN 405 can be processed.

With an initial sleeve length of 100 to 1000 mm, metal bellows with continuous or interrupted wave patterns can be manufactured.

Materials of metal sleeves: steel, copper, aluminum, nickel alloys

Material thicknesses of metal sleeves: 0.2–3 mm depending on sleeve diameter and material

machine type:	hydroforming machine APMY
frame:	Steel welded construction bolted together using tie rods
installation:	on base frame; hydraulic units and control cabinet separate
axle drives:	Oil hydraulic
pressing medium:	water-Muzinin mixture
tool:	tool suspended in the machine frame with convertible cassette sets for different workpieces
sealing heads:	hydraulically actuated workpiece seal with integrated media supply for the extrusion medium

## Technical data

### compression cylinder

max. compressive force:	1300 kN
max. pressure in the compression cylinder:	250 bar (3626 psi)
max. stroke of the compression piston:	1200 mm (47,24")

### compression piston speeds

max. positioning speed:	30 mm/s
max. compression stroke speed:	20 mm/s
max. return stroke speed:	50 mm/s

### hydroforming pressure

max. with pressure intensifier:	600 bar (8702 psi)
max. tube clamping pressure:	120 bar (1740 psi)
displacement pressure intensifier:	4 l

## Dimensions and weight

### main machine

height:	5600 mm (221")
width:	4800 mm (189")
depth:	2470 mm (97,5")

### electric cabinet

width:	1810 mm (71,25")
depth:	905 mm (36")
height:	2.200 mm (87")

### Hydraulikaggregate und Ölwanne

width:	ca. 1.290 mm (51")
depth:	ca. 2.110 mm (83")
height:	ca. 2.130 mm (84")

### entire facility

overall length:	8.000mm (315")
total weight:	32.000 kg

## Pneumatics

Required compressed air connection:	6 bar free of oil and water
pneumatic control voltage:	24 V DC

## Electric

Voltage main connection:	480 V
control voltage 1:	n/a VDC
control voltage 2:	24 VDC
full load current:	133 A
short-circuit capacity:	65 kA
pre-fuse rating:	max. 250 A
Frequency:	60 Hz
electrical connection capacity:	approx..110 kVA

