



## E4 SERIES AIR REDUCTION KIT

Energy costs are increasing regularly. Being able to save energy not only protects the environment, but has positive effects on the financial side as well.

Compressed air, which is used for pneumatic pad printing machines, is the most significant energy consumer for these machines. For that reason Teca-Print has developed an air reduction kit, with this goal in mind: to reduce the amount of compressed air required.

approx.  
**33 %**  
reduction of the  
air consumption

With the TPE 400 and TPE 401 pad printing machines, the compressed air consumption will be reduced by approximately 1/3. This means that you save approximately 33% of your energy costs for compressed air compared to normal use without air reduction kit.

At the same time you see practically no reduction of the machine performance with this reduced air consumption. The energy will be saved, where it is not or only in a small scale necessary.

The air reduction kit for the E4 series consists of different valves. These valves are mounted to the air cylinder for the pad stroke, as well as the one for the inking mechanism. The energy savings is realized mainly during the stroke movements, which are carried out without significant working resistance (upwards pad stroke and forwards movement of the inking mechanism).

### The air reduction kit for E4 series Article-no. 701 916 719 includes:

#### Pad stroke

A pressure valve (low pressure side) and a flow valve (high pressure side) are mounted to the pad stroke cylinder.



Pressure valve  
58289 0315



Flow valve  
58289 0316

#### Inking carriage

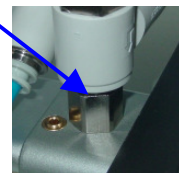
The inking mechanism cylinder uses two pressure valves. Both pressure valves are screwed via a valve spacer to the existing connector on the cylinder.

2x



Pressure valve  
58289 0317

2x



Valve spacer  
LE0179 10 13 85

We have tested the air reduction kits extensively with our TPE 400 and TPE 401 pad printing machines. The pressure valves effect the stroke movements negligibly. The movements of the machine are smooth.

An assembly guideline is sent with the air reduction kit, which can be mounted to any E4 pad printing machine by any competent technician. Our experienced service team is available on request.