

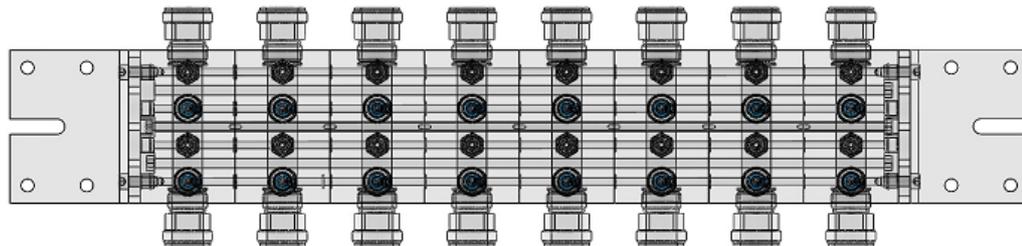
# Lacquer Changer LCLT-25K4 Inline

## Table of Contents

1. Introduction .....	1
2. Features .....	1
3. Structure and Function .....	2
4. Technical Data .....	2
5. Ordering Data .....	3

## 1. Introduction

The **APSON Lacquer Changer LCLT-25K4 Inline** is a modular expandable switching unit for pressurized chemically aggressive work materials, e.g. paints, solvents, alkalis. It is an evolution of the standard lacquer changer type and belongs to the class of inline paint changers with large inline throughput for many delivery points. The paint changer consists of a maximum of 23 switching blocks. Each block is provided with **1 throughput channel (inline channel) and 4 independent output channels (A-B-C-D)**. Each output channel of a block is independent of the other output channels and can be fitted with pneumatically controlled APSON valves or APSON locking screws. This lacquer changer type is also deliverable as **piggable/newteable** execution (APSON LCLT-25K4- N, Lacquer Changer for recovering the residual amounts).



FigAbb. 1: APSON LCLT-25K4 Inline for 8 lacquers (max. 23 lacquers)

**Due to the multi-channel, economical A-B to A-B-C-D systems or special applications are realisable.** All four output channels can be switched through to the same paint, or any output channel can be switched through to a different paint. The piggable execution of the paint changer allows coating processes without work breaks (back pushing of the residual quantities, flushing the lines, re-charging with new work material), because the inactive part of the system can be used for recovering the residual amounts of old paint type and for pre-charging with a new type of paint, while a different part of the system is producing.

The piggable APSON LCLT-25K4-N enables almost complete recovery of the residual amounts by back pushing the work material from the supply lines and paint changers into the supply system. It offers large material throughput and allows, due to the construction and the used dead-space-minimized APSON valve technology, very good rinsing of both, the supply lines as well as the output lines of the paint system.

## 2. Features

- Large inline throughput and very good rinsing, N-version is piggable.
- Environmentally friendly due to short rinsing times and work material recovery (N version)
- Modular expandable to the desired number of media (up to 23 blocks).
- Dead-space-minimized valves, and rinsing- and throughput-optimized ducts.

- Cost-saving due to 4 channels and minimal work material consumption.
- Easy handling during installation and maintenance.
- Material: Stainless steel, therefore durable and wear resistant.
- Resistant to alkalis and weak acids.

### 3. Structure and Function

The APSON LCLT-25K4 Inline consists of a maximum of twenty-three switch blocks, each with a large inline channel (DN25) and with four output channels (A, B, C, D). The uppermost block and the lowermost block (end blocks) are special blocks for assembling and fixing the paint changer and for connecting the output channels. Long lacquer changers with more than 11 blocks have a special block (center block) with threaded holes for assembly by means of threaded rods.

Each block has four screw sockets for pneumatically controllable APSON 2/2-ways valves. Thus allows per block, that the associated inline channel can be switched through to max. four output channels. The blocks have to each one end of the output channel one O-ring (per channel) for sealing the adjacent blocks, and two pins for aligning the blocks when assembling the paint changer. The components are made as standard of stainless steel. For rinsing (rinse cycle), the respective valves of an external cleaner group supply several times alternately, for a short time air and solvent into the to be rinsed output channel of the paint changer.

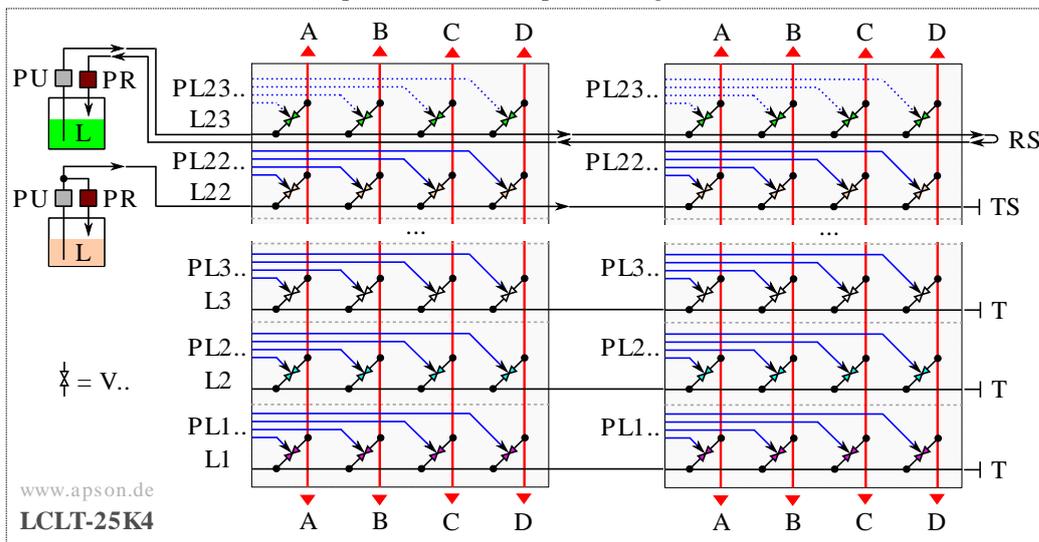


Fig. 2: APSON LCLT-25K4 -- Functional Scheme (example with 2 lacquer changers)

**Legend:** A, B, C, D = output channels, V = 2/2-way valves, L.. = paint or work medium, PL.. = control air for lacquer valves (pneumatic), PU = pump, PR = pressure regulator / pressure limiter, RS = loop system (example for decanting work media), TS = stub system (example), T = screw plug.

### 4. Technical Data

Denomination	APSON Lacquer Changer LCLT-25K4 Inline, without pipe and hose fittings (or according to customer's requests)
Media	Lacquers, solvents, alkalis, weak acids, a.o.
Number of blocks	Max. 23 blocks
Material pressure	Max. 15 bar
Valve assembly (optional)	APSON 2/2-Ways Valves LV 2014-6P, dead-space-minimized valve technology, arrangement and assembly according to customer's requests

Materials	Stainless steel
Seals	Viton™, or according to customer's request
Inline passages	<b>DN25</b> , for pipe connections, or according to customer's requests
Connections for paint	G1", or reduced, according to customer's request
Connections for air, solvent	G1/4", for hose D = 8 mm, d = 6 mm, or according to customer's request
Dimensions of one block LxWxH [mm]	70 x 130 x 80 (without valves and fittings)
Mass	Approx. 5.2 kg per block

## 5. Ordering Data

Denomination	Part-Nr.
<b>APSON Lacquer Changer LCLT-25K4</b> , without pipe and hose fittings. Number of paints or special designs according to customer's request.	050-A297
<b>APSON Lacquer Changer LCLT-25K4-N, Piggable</b> , without pipe and hose fittings. Number of paints or special designs according to customer's request.	050-A297-1
APSON 2/2-way valve lacquer LV-2014-6P (spare parts)	060-A039-6
APSON screw plug VS-2008 (spare part)	100-0886

APSON Lackiertechnik GmbH · Am Wiesengrund 15 · D-63075 · Offenbach · Germany  
 Phone: +49-69-82-369-447 · Mobile: +49-171-373-1633 · Fax: +49-69-82-369-448  
[email@apson.de](mailto:email@apson.de) · [www.apson.de](http://www.apson.de)

---