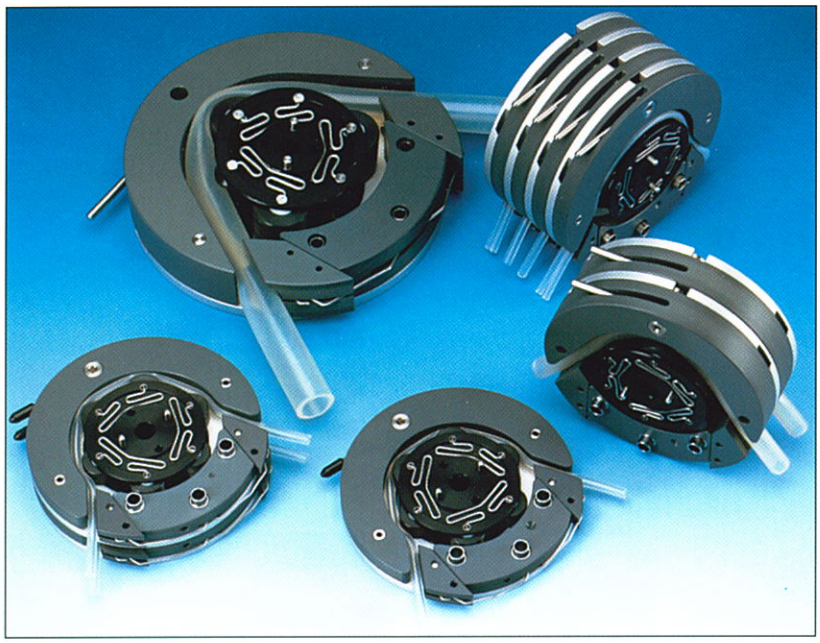
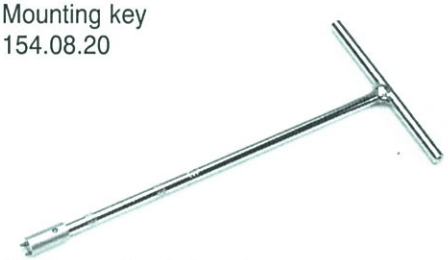
PUMP CHANNELS



Mounting set
105.06.CH.

When ordering, please state number of channels, and channel type A, B, L or XL.

Mounting key
154.08.20



Key for mounting of channels.

PUMP CHANNELS

The heart of a peristaltic pump is the channels. This is where an OLE DICH pump differs from all other pumps as it is extremely flexible: the A, B and L channels (see below) are interchangeable. In addition more or fewer channels, as required, may be fitted on any basic pump - however, of course not in excess of the number which the pump can handle. The channels automatically adjust themselves to all tube dimensions and they are designed to hold the tubes without the use of any external clamps (see technical data for each channel). Moreover, OLE DICH pumps are designed to cause a minimum of wear on the tubes, for which reason the life of the tubes is very long.

A CHANNELS

Many users rightly wish to avoid the pulsation which usually characterises the flow of a peristaltic pump. This problem is solved by our A-channels, thanks to 6 rollers. This is three times more than the B-channel, for which reason the tubes are worn out faster and flow rate is slightly reduced.

B CHANNELS

This is the conventional type of channel, including the special OLE DICH advantages described above. Both A and B channels can hold 2 tubes when the inside diameter of each tube does not exceed 1.5 mm (or 1 tube with an inside diameter not exceeding 4 mm).

L CHANNELS

L-channels are designed for applications where a greater flow rate is required, i.e. up to 30 l/hour. This type is somewhat wider than the A and B channels and will hold tubes of up to 6 mm inside diameter.

XL CHANNELS

This type is suited for the 111 type of pump only. It is designed to hold tubes with inside diameters of 8, 10 and 12 mm and, at the maximum number of revolutions, each channel provides 130 l/hour. This is sufficient for most lab. applications.

TECHNICAL DATA

Outside diameter:	Type A, B and L	ø96 mm.
	Type XL	ø140 mm.
Rollertrack diameter:	Type A, B and L	ø60 mm.
	Type XL	ø90 mm.
Max. pump pressure:	1,5 kg/cm^2 (15 m water column).	
Max. height of suction:	6 m water column.	
Weight per channel:	Type A and B	approx. 150 g.
	Type L	approx. 200 g.
	Type XL	approx. 850 g.

Type 105.A.1 with 6 pressure rollers.
(For model 110 and 102).
For tubes up to a max. ID of 4 mm.
Wall thickness: 0.8 - 1.0 mm.
Almost pulsation free - Reduced flow in relation to type B.

Type 105.B.1 with 2 pressure rollers.
(For model 110 and 102).
Some pulsation - Higher flow.
Same tube size as above.

Type 105.L.1 with 3 pressure rollers.
(For model 110 and 102).
For tubes up to a max. ID of 6.0 mm.
Wall thickness: 1.5 mm.
Wide channel - Some pulsation - High flow.

Type 111.XL.1 with 3 pressure rollers. (Only model 111).
For tubes up to a max. ID of 12.0 mm.
Wall thickness: 3.0 mm.
Wide channel - Some pulsation - Very high flow.

OLE DICH's pump heads are also suitable for building into analysis equipment, fermenters etc. We supply OEM solutions ready for mounting with front plate, axle and bolts. You need merely to tell us the desired flow, the preferred tube thickness, and whether the peristaltic pulsations can be accepted or are preferably to be avoided. We will then draw up a quotation.