Peristaltic Pumps

Upgrade your existing fill equipment with Bosch peristaltic pump technology

Ease of use
Peristaltic pumps naturally are well suited for single use fill paths. This is a significant advantage during machine set-up, making the operation safer and faster. The Bosch peristaltic pump design makes this process step even simpler. The pump can be opened and closed in two simple steps with one hand and without the removal of any parts - saving time and at high degree of safety.

Processing range and fill accuracy
With two different pump configurations, fill volumes from .1ml to 500ml are possible and very accurate. The Bosch peristaltic pumps utilize servo technology and are much more accurate than stepper driven peristaltics. Fill accuracy can be expected to be similar to those seen in Bosch rolling diaphragm, rotary piston, or time pressure technology.

Description
When it comes to filling liquid pharmaceuticals, peristaltic filling technology has become increasingly popular. With the improved filling accuracy of the Bosch designed pump and single use fluid path, it has great advantages for pharmaceutical filling operations. The Bosch peristaltic pump is a real alternative to conventional filling systems.

The Bosch peristaltic pump combines the advantages of the traditional peristaltic pump with a unique operating concept. The offset alignment of the tubing rollers guarantees low pulsation during volumetric flow and reduces the mechanical strain on the tubing. With these design considerations, it is one of the safest and user friendly peristaltic pumps available in today's market.

You will find your local partner at: www.boschpackaging.com
Peristaltic trolley system options
- Interchangeable pump head for small and large fill volumes
- Offline weigh check with automatic pump adjust feedback
- Integration with existing fill machine checkweigh system
- One pump to multiple pump heads possible (1, 2, 4 and 8 pump head configuration typical)
- Product intermediate supply with weigh scale control
- No vial no fill option available
- Trolley mounted or remote HMI control
- Recirculation system

Your Benefits
- Pump head manufactured completely from 316L stainless steel
- Pump motion controlled with servos
- Pumps mounted on moveable trolley or permanently to machine frame
- No pump head change parts
- Internal pump tubing specifically designed for Bosch peristaltic pump design
- Single use fill path
- Integration with Bosch and non-Bosch equipment
- Pivoting pump head cover allowing single hand tubing installation

Figure 3 — Pump trolley

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