

BKG® HyFlex™ Multiport Valves

Function

- Distribution of one product stream to multiple strands or merging of multiple streams to one strand
- During operation one or more of the outlet valve pistons are enabled or disabled providing the correct structure to enter the downstream components

Processes

- Plastic manufacturing and processing lines (e.g. polymerization, extrusion, hot melt, compounding, etc.)
- Separation of production strands and individual components for maintenance

Features

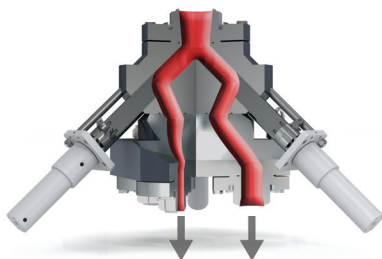
- High energy efficiency owing to internal heating and insulation of the main components (no subsequent insulation necessary)
- Compact design
- Seamless transitions and channels
- No welded construction
- Optional heating with steam, oil or electric heating

Benefits

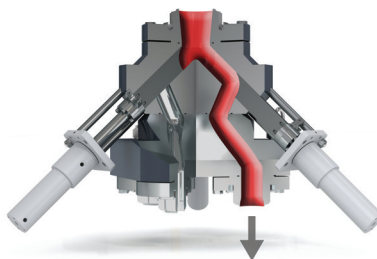
- Flexible in construction (diversion into 2, 3, 4, 5 or 6 strands is possible)
- Product connections according to DIN or ANSI can be directly integrated into the valve
- Designed according to Machinery Directive 2006/42/EG and incorporates all safety standards
- Elimination of dead spaces prohibits the polymer from degrading and causing product defects
- System can be integrated into the system controller (Due to low operational changes, an optional cyclic movement of the valve piston is required when only minimal piston movements are expected)
- Minimal maintenance required since no seals are required



Functional principal



**Two outlet channels opened,
one outlet channel closed**



**One outlet channel opened,
two outlet channels locked**

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