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