

## More Than the Sum of its Parts: Individual System Solutions by Bürkert.



For plastic compounding it is especially necessary to adapt the valve manifold to the number of cooling zones in the extruder. Specially designed for such applications, Bürkert developed modular valve bodies with orifice sizes DN10, DN20 and DN25 available to match the customer application perfectly. Furthermore it is possible to integrate sensors for flow, temperature and pressure measurement.

### Type 0330 solenoid valve

Direct-acting 2/2 or 3/2-way solenoid valve with a wide range of circuit functions. The magnetics and the medium are separated by a diaphragm system. The valve is fast-acting and a long service life, even in non-lube conditions and also works under vacuum conditions. It is the perfect valve for highly polluted cooling fluids or vacuum conveyor systems.



### Type 8400 RTD sensor

In-flow, compact temperature sensor with or without display and remote alarm contacts. Exceptionally easy to use and boasting a large display, temperature indication, transmission and external set point changes at your finger tips.

### Type 2000/2100/2300

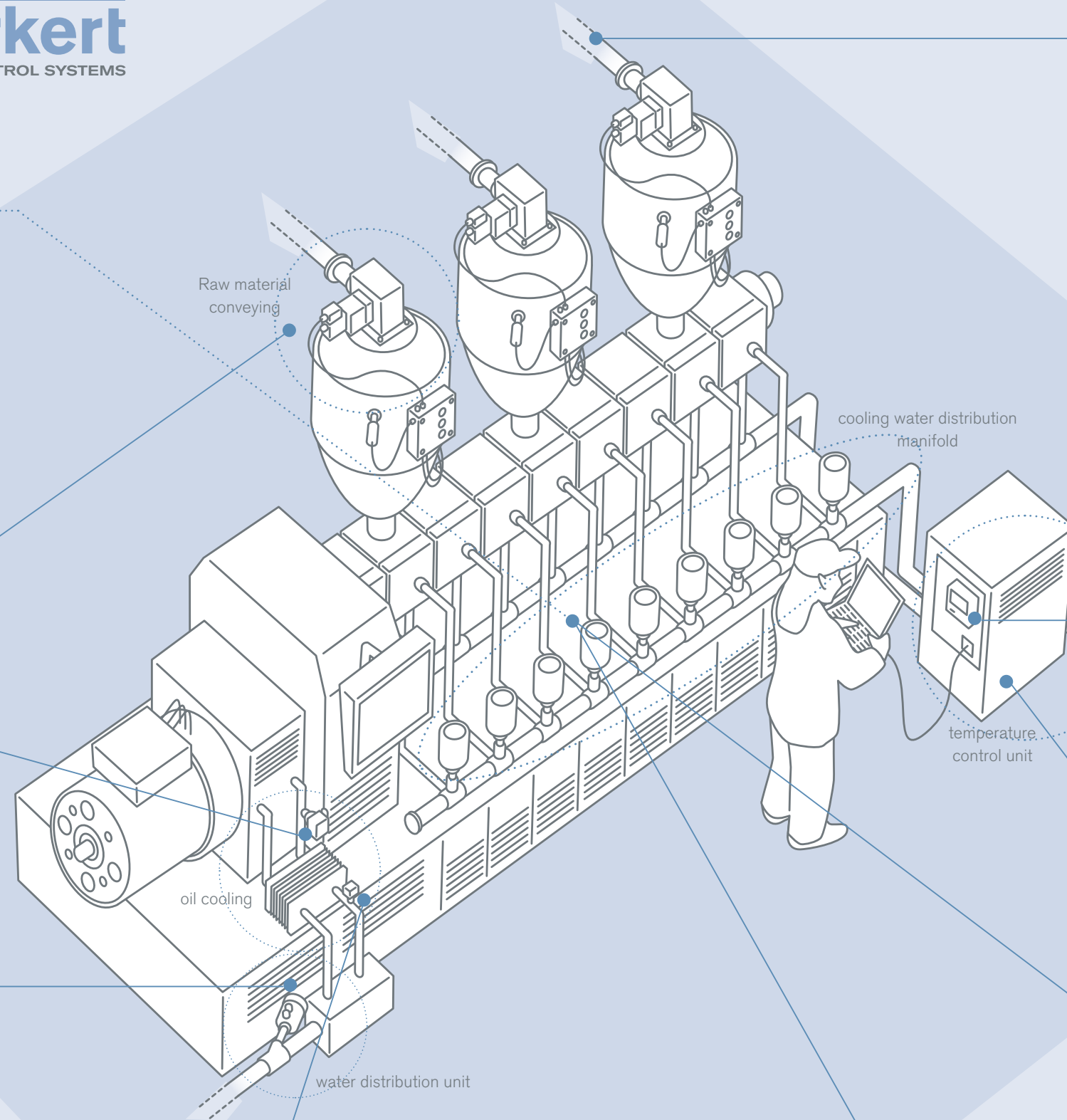
Reliable and maintenance-free pneumatically operated angle seat valve. Available in both gunmetal and SS bodies, ranging from DN 13 to 65. High flow rates, self adjusting packing and high sealing integrity make them perfect for cooling applications, even with polluted cooling fluids. The valve is available for On/Off solutions as well as a modulating control valve for precise control of the coolant flow.



### Type 6213 servo assisted solenoid valve

Servo assisted 2/2-way solenoid valve allows partial opening of the diaphragm with 0 psi. Differential pressure perfect for standard potable water applications. Brass or SS body with sizes ranging from DN 10 to 50 and 0 -145 psi (0 -10 bar).

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### Type 8750 flow controller

Flow controller serves to measure and control volumetric flow rate using the differential pressure principle. Typical applications are air flow control systems for the pneumatic conveying of granular materials (grain, powder, etc.).



### Type 8011/8012 flow sensor

Paddle-wheel flow sensors for economic integration in pipe systems for integrating into customized manifolds without any additional piping. Measuring principle: optic or magnetic.

### Type 2835 solenoid control valve

Direct-acting proportional valve can be used as a control valve for process control and is also suitable for technical vacuum. Low hysteresis, high repeatability and high sensitivity ensure superior regulation behavior.



### Type 8611 controller

PI-Controller especially designed for compact control system applications and works perfectly together with all valves and sensors from Bürkert. The controller is available in several assembly versions for panel, flow fitting, wall, DIN rail or direct valve mounting.

### Type 6013 solenoid valve

Direct-acting 2/2 or 3/2-way solenoid valve in modular design for general purpose as well as vacuum applications. Its high-quality and compactness makes it perfect for highly integrated systems.



### Type 2000 INOX

Highly compact angle seat valve in stainless steel construction for high temperature applications with orifice size DN10.

### Type 5282 servo assisted solenoid valve

Long service life is assured with separating diaphragm which isolates solenoid from operating fluid are making this valve perfect for slightly contaminated fluids. Lockable manual override and freely adjustable opening and closing times for accurate adaption to the customer application.

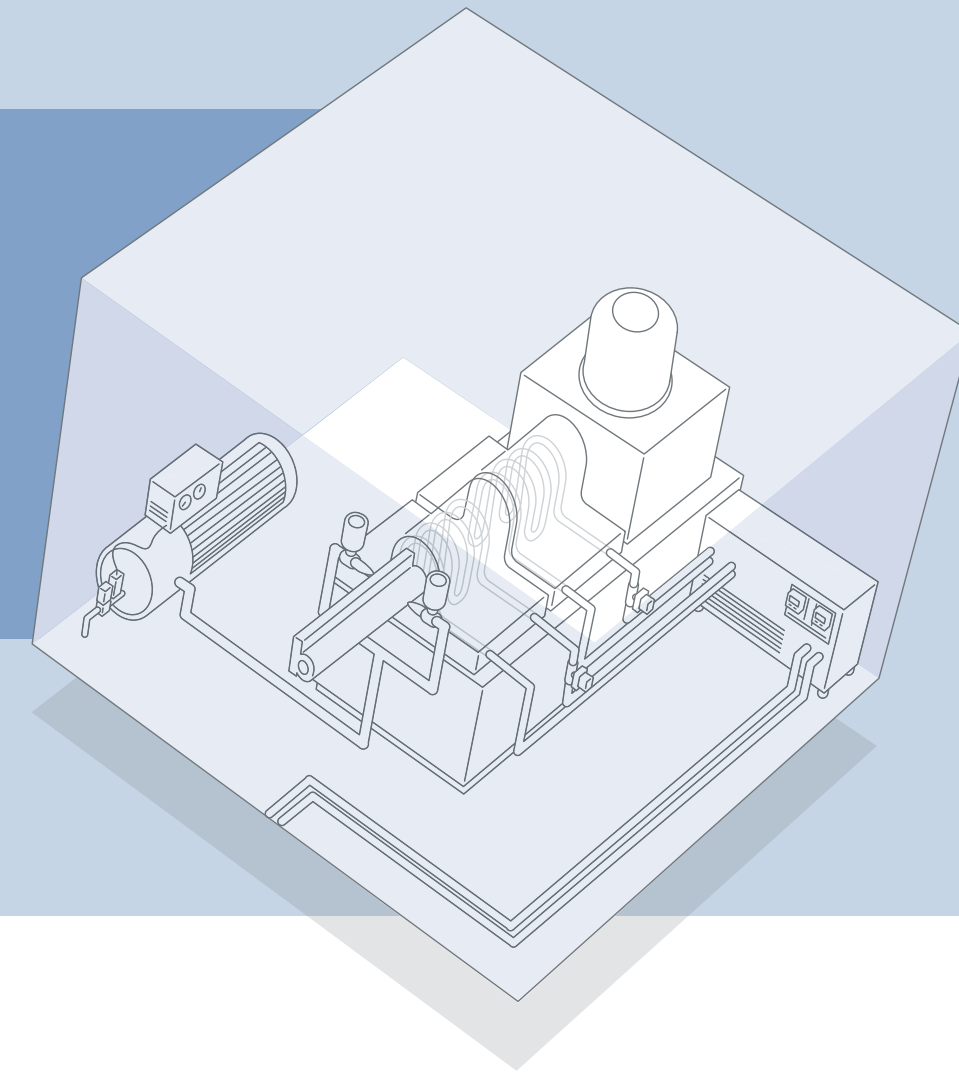




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## Cooling Systems: Plastic Extruding / Compounding



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Bürkert provides ground breaking cooling system solutions for your plastic compounding process, helping you to enhance work piece quality, speed up your production lines while still saving precious energy. Modern compounding lines are more complex than ever and demand high standards regarding number of cooling circuits and quality of sensor and valves for setting the temperature in each zone of the extruder. This is where Bürkert can add value and offer you solutions tailored to your world.

With over 60 years of expertise in the cooling industry, Bürkert is the best partner of choice to enhance your efficiency.