

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



For downstream equipment of plastic extrusion lines it is especially necessary to be flexible and adapt to the necessary number of cooling zones. Specially designed for such applications Bürkert developed modular valve bodies with orifice sizes DN10, DN20 and Dn25 to match the customer application perfectly. Depending on the number of cooling circuits, the available space, and the water quality our design engineers configure the most effective solution based on a broad range of Bürkert valves. Furthermore it is possible to integrate sensors for flow, temperature and pressure.

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

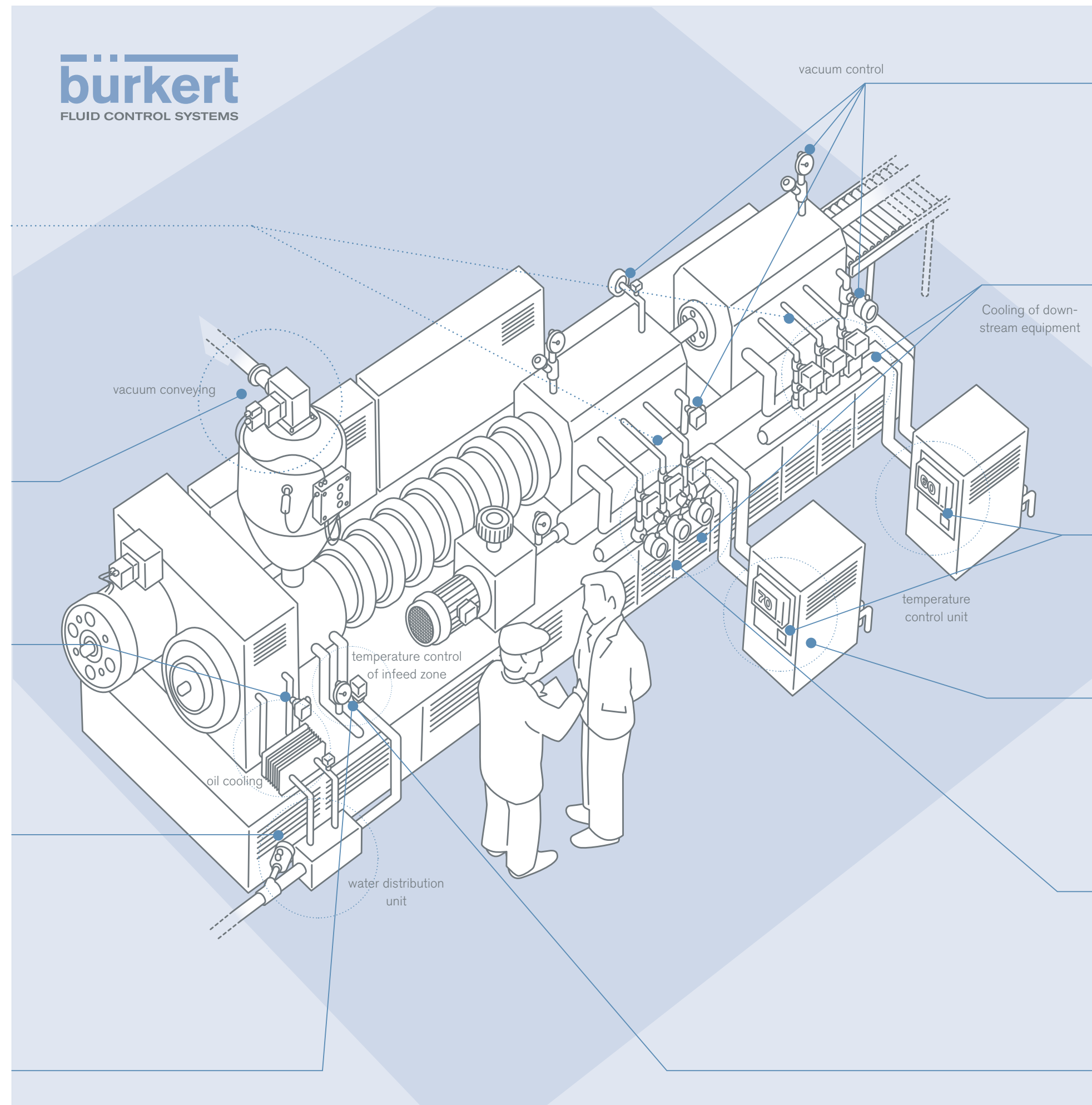
Reliable and maintenance-free pneumatically operated angle seat valve. Available in both gunmetal and SS bodies, ranging from DN 13 to 65. High flow rates, self adjusting packing and high sealing integrity make them perfect for cooling applications, even with polluted cooling fluids. The valve is available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



Temperature control

Depending on pressure, temperature and water quality a wide range of On/Off valves and proportional valves are available. In combination with a RTD-Temperatur sensor and the Type 8611 controller this solution works perfectly for standard potable water applications. Depending on the necessary accuracy a 2-state or a continuous control structure can be chosen.

bürkert
FLUID CONTROL SYSTEMS



Vacuum control

Setting the vacuum in the downstream equipment by high resolution proportional valves like Type 6024 with an accuracy of less than 1mbar insures accurate production of plastic profiles. In combination with the pressure sensor Type 8223 and controller Type 8611 a superior vacuum can be achieved.



Type 8011/8012/8081 flow meter

Dependant on the required accuracy and the water quality, Bürkert offers the right solution choices. From the well established paddle wheel flow meter Types 8011/8012 to the new and innovative ultrasonic flow meter Type 8081 with no moving parts. All are the perfect choice for measuring coolant flow.



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.

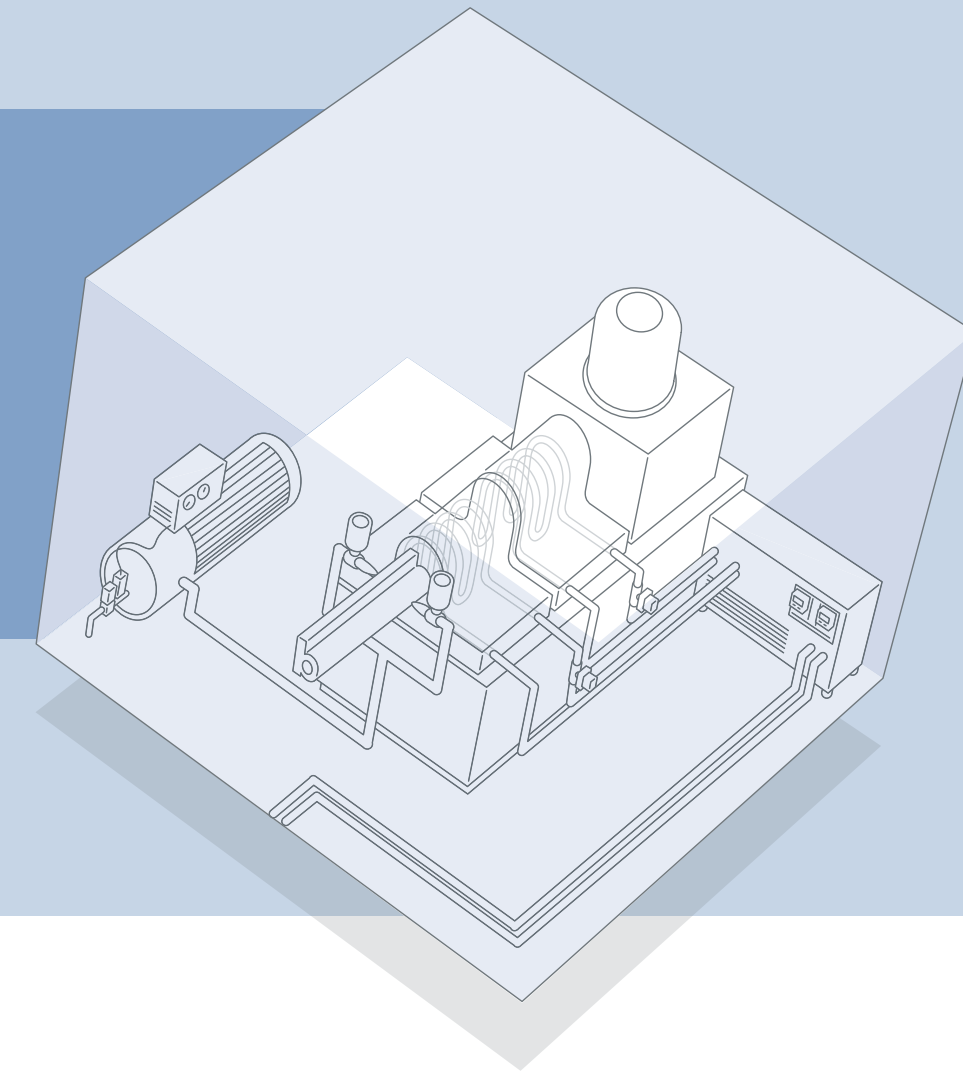




894927 / 01/2011

Bürkert Fluid Control Systems
Christian-Bürkert-Straße 13-17
74653 Ingelfingen
Germany
Tel. +49 (0) 7940/10-0
Fax +49 (0) 7940/10-91 204
info@burkert.com
www.burkert.com

Cooling Systems: Plastic Extrusion Lines



bürkert
FLUID CONTROL SYSTEMS

Bürkert provides ground breaking cooling system solutions for your plastic extrusion lines, helping you to enhance work piece quality, speed up your production lines while still saving precious energy. Modern extrusion lines demand high standards regarding setting the vacuum pressure or temperature in the downstream equipment. The number of cooling circuits and the quality of sensor and valves for setting the temperature in each cooling zone influence the efficiency of the complete system very much. 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.