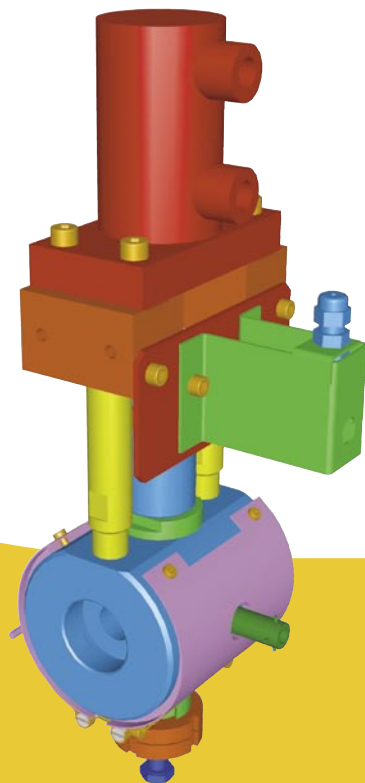




UNITEK



Bypasses - UBP



Bypasses - UBP

Automatic discharge valves with alternatively hydraulic, pneumatic or manual actuation. Installed as a separate unit between the extruder and the head they serve for the diversion of the melt stream to the open and simultaneously for the pressure release inside the crosshead. Besides the operation mode the various types also differ with regard to the diameter of the flow channel. This diameter is determined by the head sizes and by the design of the bleeding bore - axial or diagonal - subject to the bypass positioning.

Description

Design and functionality characteristics of the bypasses series UBP can be identified through the type specification.

Function R = by rotation of the bypass piston
3 / 30 / 70 = by axial displacement of the piston

Flow channel 8 / 10 / 12 / 15 / 25 / 30 = diameter of the flow channel in mm
0.314 / 0.393 / 0.472 / 0.590 / 0.984 / 1.181 = diameter of the flow channel in inch

Drive M = with manual actuation
H = with hydraulic cylinder
100 / 125 = with pneumatic cylinder with 100 / 125 mm diameter
with 3.937 / 4.921 inch diameter

Bypasses are available for all head types and sizes, including Fluoro-polymer crossheads.

Bypasses - UBP

Automatische Spülventile mit wahlweise hydraulischer, pneumatischer oder manueller Betätigung. Installiert als separate Baugruppe zwischen Extruder und Kopf, dienen sie zur Umlenkung des Massestroms ins Freie und zur gleichzeitigen Druckentlastung des Querspritzkopfes. Die einzelnen Typen unterscheiden sich neben der Antriebsart auch durch den Durchmesser des Fließkanals. Dieser bestimmt die Zuordnung zu den einzelnen Kopfgrößen durch den Verlauf der Spülbohrung durch den Bypasskolben (axial oder diagonal), je nach Positionierung des Bypasses.

Bezeichnung

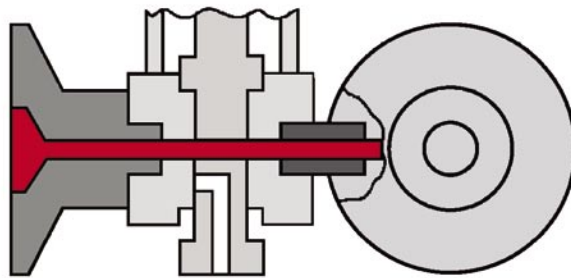
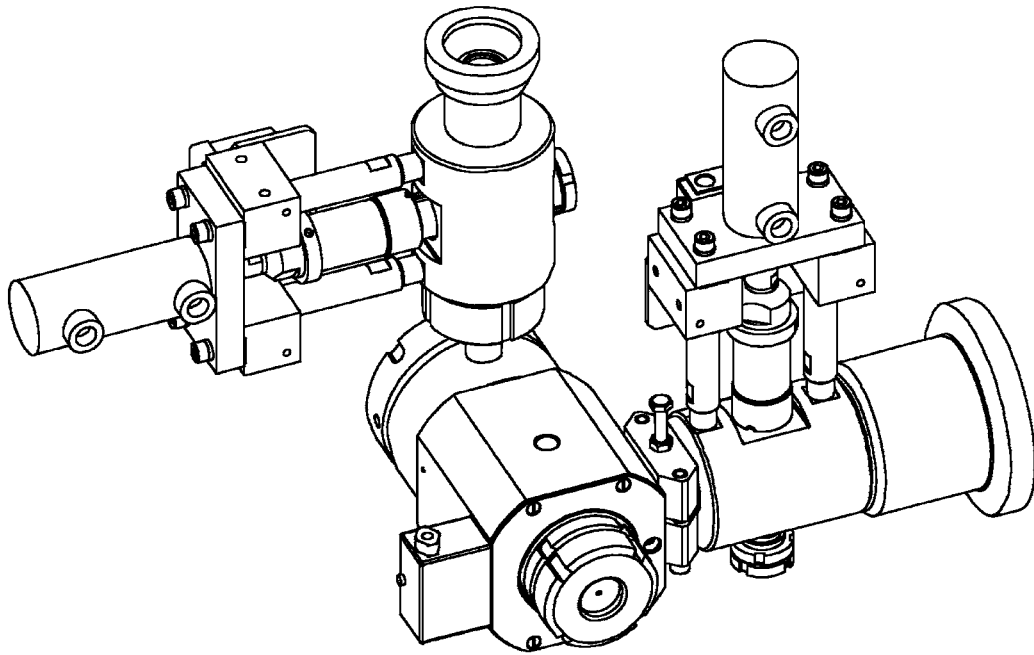
Aus der Bezeichnung der Bypass Serie UBP sind die Design- und Funktionsmerkmale ersichtlich.

Funktion R = durch Drehbewegung des Bypasses
3 / 30 / 70 = durch axiales Verschieben des Kolbens

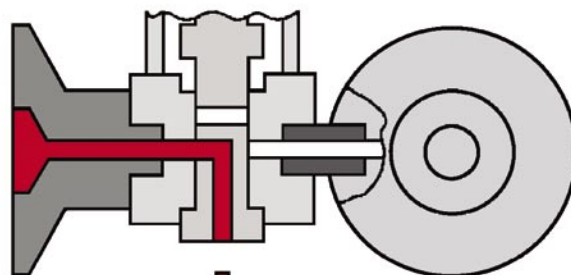
Fließkanal 8 / 10 / 12 / 15 / 25 / 30 = Durchmesser des Fließkanals in mm

Antrieb M = durch manuelle Betätigung
H = durch Hydraulikzylinder
100 / 125 = durch Pneumatikzylinder mit 100 / 125 mm Durchmesser

Es stehen Bypässe für alle Kopftypen und Baugrößen, einschließlich Fluorköpfen, zur Verfügung.



working position



bleeding position



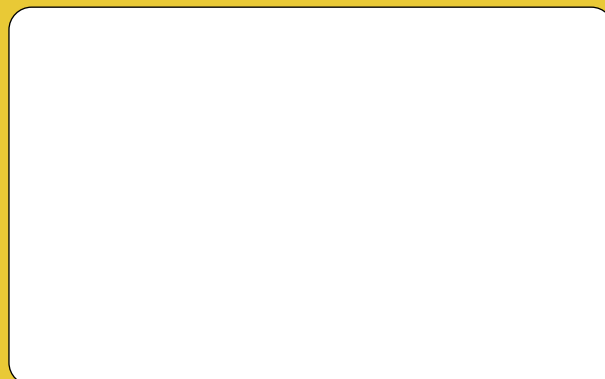


THE COMPANY AT A GLANCE

UNITEK is the worldwide leading manufacturer of fixed centered crossheads and add-on technology for the wire and cable industry. The company was founded in 1979 and ever since has been dedicated to providing innovative solutions for increased productivity to the extrusion industry around the world. Close contacts with cable and machinery manufacturers, high standards of research and development as

well as state-of-the-art production facilities for highest precision and quality have been the basis of UNITEK's philosophy from the very beginning. The UNITEK team of engineers, technicians and managers has a very strong background in the extrusion and cable industry and is dedicated to providing cutting-edge solutions for the requirements encountered by today's cable industry.

- Crossheads (fixed centered as well as manually centered) including add-on technology such as tips & dies, colour changing systems, bypasses, adapters, support trolleys and cartridge extraction devices
- Extrusion heads made of special steel alloy with unique curing technique
- Extremely durable crossheads with lifetimes of more than 60.000 hours of operation
- Close to zero scrap during start-up (using fixed-centred crossheads)
- Extremely high precision manufacturing
- Unrivalled concentricity during coating for reduced cost of materials
- Over 10 worldwide patents
- 800 satisfied customers in over 40 countries worldwide



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