

# Type UK

Cross-over valve combination with 3- or 4-way valves

All types of AZ-valves combinable with different valve types and sizes



- cost-effective combination of different valve types and sizes

NPS 1 - 24 / Class 150 - 900

Range of application:  
-60 < T < 230/280°C  
vacuum-capable

**Type UK-V**  
3-way combination,  
screwed design

**Design characteristics**

- 90°-Valve / Quarter-Turn synchronous combination
- 2-way or multiway valves for filter cycles, pump cycles, reactor cycles or cooling cycles
- 90° and 120° valves
- cost-effective and reliable
- Multiway combination for parallel operation
- available with hand lever, gearbox and actuator

**Options**

- special materials
- continuous 90 ° / 120 ° shift by additional ratchet coupling, type SSK

**Type UK-L**  
4-way combination,  
loose design



Applications for

- exchange
- maintenance
- regeneration of individual components without process interruption

To avoid misalignment of the plug-axis, in case of wrong assembling, we recommend the screwed design TYPE "UK-V" of our crossover-valve-combinations

Individual selection of the piping centreline dimension (RMA) minimum size =  $RMA_{min}$

RMA

**Durable**

- Sealing surfaces remain clean and do not come in contact with medium
- plug protection
- adjustable
- constant torque (  $\Delta p$  independent !)

**Plug valves benefits**

- free of cavities
- large sealing surface
- double sealing (shutoff)
- protection of the plug sealing

# Operating principle with 3-way and 4-way plugs

# Type UK Technical information

Service switchover	Parallel operation switchover
Examples of pump service	Examples of air drying
<p>Cross-over valve combination with two 3-way valves for simple exchange or repairing of a pump without stopping the process</p> <p><b>Description</b></p> <ul style="list-style-type: none"> <li>break-down of pump 1</li> <li>switching to pump 2 without interruption of the continuous flow</li> <li>replacement of pump 1</li> </ul> <p>Same procedure with other plant components, e.g. filters etc.</p>	<p>Cross-over valve combination with two 4-way valves (with LL4 plug type) for purging or regeneration of components without stopping the process</p> <p><b>Description</b></p> <ul style="list-style-type: none"> <li>Drying plant 1 for providing dry process air is saturated with water</li> <li>switching to plant 2 without interruption of the continuous flow</li> <li>Regeneration of the drying plant 1 and draining of condensates</li> </ul>

Type UK with plug stem extension (T-wrench)	Type UK with gearbox	Type UK with pneumatic actuator																																																																																																																																																																																																																																															
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\*) UK design with gearbox  
 other nominal sizes on request  
 Specify desired dimension (RMA), minimum size = RMA<sub>min</sub>