## 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

DN 25 - 600 / PN 10 - 160 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



of individual components without

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

 Individual selection of the piping centreline dimension (RMA) minimum

For selection of multi-way valves and plug types see page 36

- and do not come in contact with
- constant torque ( Δp independent !)

- protection of the plug sealing

Type UK-L

loose design

4-way combination,

# ARMATURE

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

# Service switchover Parallel operation switchover

### **Examples of pump service**

Cross-over valve combination with two 3-way valves for simple exchange or repairing of a pump without stopping the process

### **Description**

- break-down of pump 1
- switching to pump 2 without interruption of the continuous flow
- replacement of pump 1

Same procedure with other plant components, e.g. filters etc.

### **Examples of air drying**

Cross-over valve combination with two 4-way valves (with LL4 plug type) for purging or regeneration of components without stopping the process

### Description

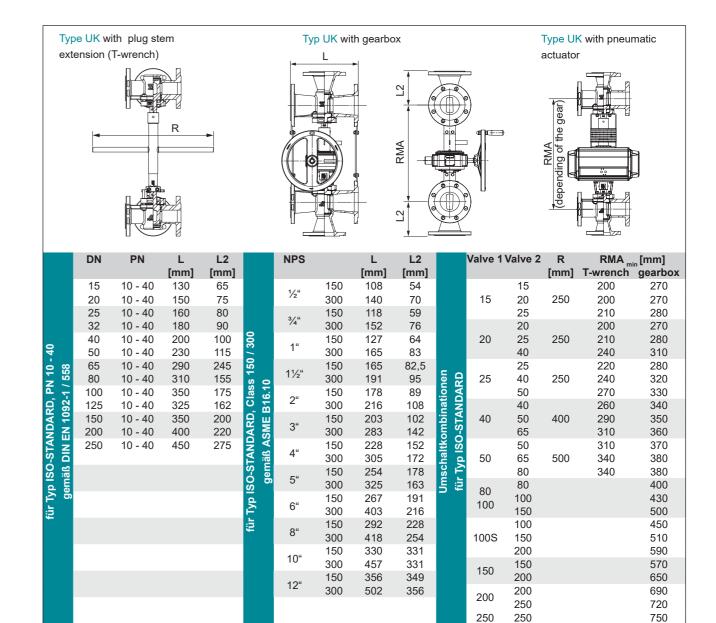
- Drying plant 1 for providing dry process air is saturated with water
- switching to plant 2 without interruption of the continuous flow
- Regeneration of the drying plant 1 and draining of condensates





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### **Technical information**



<sup>\*)</sup> UK design with gearbox

other nominal sizes on request

Specify desired dimension (RMA), minimum size = RMA<sub>min</sub>

Order Example: UK-V-240-1.4408-KSV, H1-F-3-W-DN50-PN40, H2-F-3-S-DN25-PN40

UK = type ,V = screwed, 240 = RMA, 1.4408 = body material, KSV = plug stem extension, H1 = valve 1, F = flange, 3 = three-way, W = horizontal third entry, DN50 = size, PN40 = rating, H2 = valve 2, F = flange, 3 = three-way, S = verical third entry, DN25 = size, PN40 = rating