

Figure 640 04 KHS concealed Venturi Multi-Circ Distributor Unit, Flow with MT, Drain with MT DN 20 / 15

| Technical properties |
|---|
| Fluid-contacting parts made completely of gunmetal |
| For forced-vortex flow and continual water exchange in sanitary block |
| With Venturi nozzle engineering |
| Minimal pressure differences |
| Maximum flow isolating ball valve DIN-/DVGW-approved according to DIN EN 13828, W 570 |
| VAV with removable head part 'Top Entry' |
| Soundproofing tested in accordance with DIN EN ISO 3822 |
| Pressure stage PN 16 |
| Stagnant-zone-free |
| Insulating shell building material class B1 compliant with DIN 4102 |



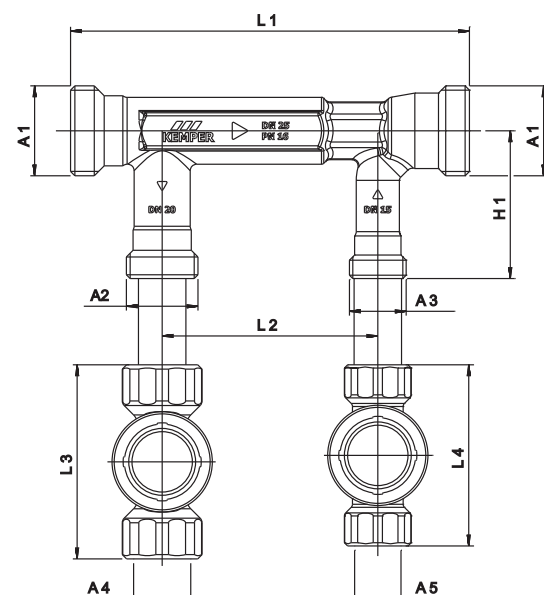
640 04 KHS-Venturi Multi-Circ Distributor Unit for concealed mounting with male thread

| Product description / Tender text |
|--|
| KEMPER KHS-Venturi Multi-Circ Distributor Unit , for concealed installation in sanitary block area, for forced-vortex flow of the sanitary blocks in ring circuit installation for cold-water water tapping valves and furnishings, especially suitable for the KHS KEMPER Hygiene System comprising: |
| Flow distributor based on the Venturi principle, with sanitary block feed line and sanitary block return line, made completely from gunmetal, resistant against aggressive water, with soundproofing certificate, |
| Concealed Maximum flow isolating ball valves , extremely low-pressure loss version, compliant with DIN EN 13828 corresponds to the drinking water hygiene requirements according to DVGW W 570, made entirely from gunmetal, resistant against aggressive water, brass-free in areas that touch fluids, with maintenance-free spindle sealing, 'Top Entry' head part can be removed from top, made with EPDM gasket body with rotating-supported gunmetal closing body, stagnant-zone-free, with continuously adjustable, plastic shaft that can be cut to length, depth up to 100 mm, as wall installation unit- Assembly kit 1, with DIN/DVGW and soundproofing certificate, rated pressure PN 16 and |
| Insulating shells for maximum flow isolating ball and distributor unit, made of closed cell foamed polyethylene with additional, permanent outer shell, building material class B1 compliant with DIN 4102, Thermal conductivity according to ISO 2581 0.035 W/mK, can be sealed diffusion-resistant with commercially available glues, |
| Flow distributor inlet and output side with outer (male) thread (MT) from DN 20 (1") to DN 32 (1 1/2"), sanitary block feed line with outer (male) thread DN 20 (1") and return line with outer (male) thread (MT) DN 15 (3/4"), per each concealed maximum flow isolating ball valve VAV with DN 20 (3/4") female thread und DN 15 (1/2") with female thread |

- For more information please see reverse side

| Dimensions | | | | |
|---------------------------|----|--------|---------|---------|
| Nominal width | DN | 20 | 25 | 32 |
| Overall height (H1) | mm | 58,5 | 68,5 | 73,5 |
| Length (L1) | mm | 185 | 185 | 195 |
| Length (L2) | mm | 100 | 100 | 100 |
| Length (L3) | mm | 90 | 90 | 90 |
| Length (L4) | mm | 84 | 84 | 84 |
| Connection dimension (A1) | | G 1 | G 1 1/4 | G 1 1/2 |
| Connection dimension (A2) | | G 1 | G 1 | G 1 |
| Connection dimension (A3) | | G 3/4 | G 3/4 | G 3/4 |
| Connection dimension (A4) | | Rp 3/4 | Rp 3/4 | Rp 3/4 |
| Connection dimension (A5) | | Rp 1/2 | Rp 1/2 | Rp 1/2 |

| Materials | |
|-----------------------------|--------------|
| Flow distributor | Gunmetal |
| Housing, interior head part | Gunmetal |
| Seal element | EPDM |
| Shaft, push-on spindle, cap | Plastic |
| Insulating shell | Polyethylene |



**Figure 640 04 KHS concealed Venturi Multi-Circ Distributor Unit,
Flow with MT, Drain with MT DN 20 / 15**

| Technical information |
|---|
| <p>Area of application</p> <ul style="list-style-type: none"> - The KHS Venturi Multi-Circ Venturi Distributor Unit provides a facility for controlled forced flow-through in drinking water systems by using tailor-made and innovative pipeline network structuring. - Together with the automatic KHS flushing equipment, a continuous drinking water exchange is produced to implement drinking water system operation in accordance with the requirements. - Every time water is withdrawn, which takes place in the flow path behind the KHS-Multi-Circ Venturi Distributor Unit, the water is also moved in the upstream ring lines, producing a continuous exchange. - That means permanent stagnation prevention. - Make sure the CDW line is laid out as a ring line and that all CDW consumers are looped (avoid T-installations). - It is recommended to calculate the hydraulic conditions in the DW system, e.g. with the Dendrit software. - Install the KHS-Multi-Circ Distributor Unit only together with KHS-VAV as KEMPER can only guarantee functional operation in bypass mode only with these valves (0 pressure-loss). |

| Optionally available accessories | |
|--|--------|
| Final assembly set with handle | 590 00 |
| Final assembly set as a change stopper | 591 00 |

| Figure | Flow distributor unit | | | Concealed VAV | |
|------------|-----------------------|-----------|-------------|---------------|-------------|
| | Throughlet | Feed line | Return line | Feed line | Return line |
| 640 04 020 | AG 1" | AG 1" | AG 3/4" | IG 3/4" | IG 1/2" |
| 640 04 025 | AG 1 1/4" | AG 1" | AG 3/4" | IG 3/4" | IG 1/2" |
| 640 04 032 | AG 1 1/2" | AG 1" | AG 3/4" | IG 3/4" | IG 1/2" |