

SIFONE

HL

ABLÄUFE

135-145

40

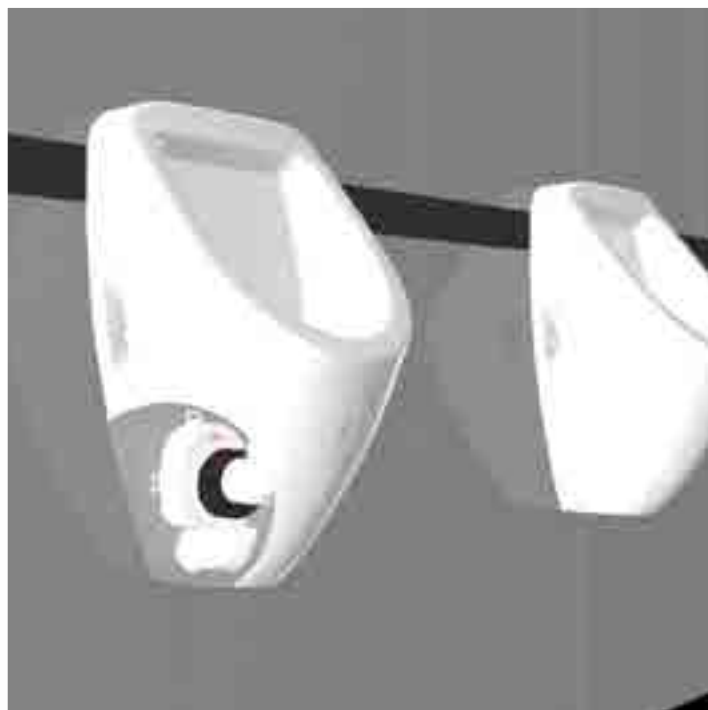
73

45

80

225

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HL® Siphons

100

Urinal



DN50
DN40

HL® Urinal traps

Basic information about design and installation

Because of their low consumption of water urinals based on the principle of vacuum drainage have prevailed in the last years. Below we would like to clarify some of the terms, belonging to this chapter:

▲ Siphonic drainage

As urinal facilities mostly can be found in public areas, they have to be protected against unauthorised manipulation. Therefore the ceramic bowls are designed in a way, that all important parts are behind the bowl. That is why it is important to have a self-cleaning siphon. This effect results from using low cross sections inside the siphon and therefore higher flow speed. The trap is „systematically“ suctioned. The needed seal water has to come from which remains in the ceramic bowl. For this purpose only approved traps may be used, to make

sure, that this siphonic drainage effect happens indeed. HL urinal trap HL430 is conform to the standard. Additionally the function is approved by an independant laboratory.

▲ Flush volume

Normally urinal facilities are operated by electronic controls. Thereby the minimum flush volume can be regulated. Minimum flush volumes for HL urinal traps: HL431 and HL432: 1,5l for one flush. HL430: 1l for one flush.

▲ Plugging by urine scale

From the economical and ecological point of view people more and more use as little water for flushing as possible. However, it should be clear, that the less water is used for flushing, the more likely it will come to a plugging of the

trap and/or the drainage pipe. And this leads to shorter cleaning intervals.

▲ Ball-joint

HL equips it's traps with a ball-joint, which allows a stressless installation, both horizontal and vertical.

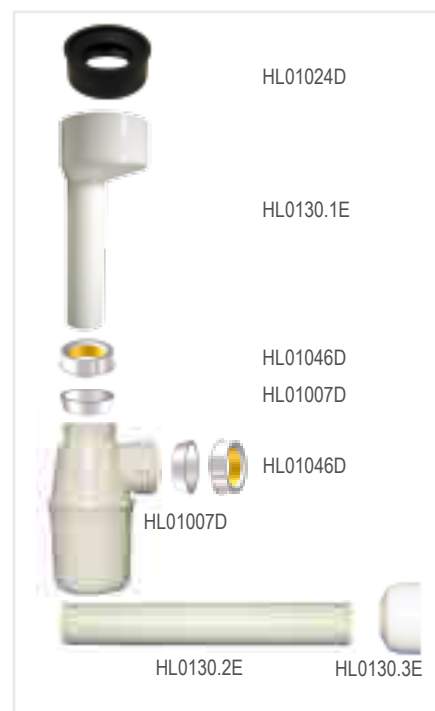
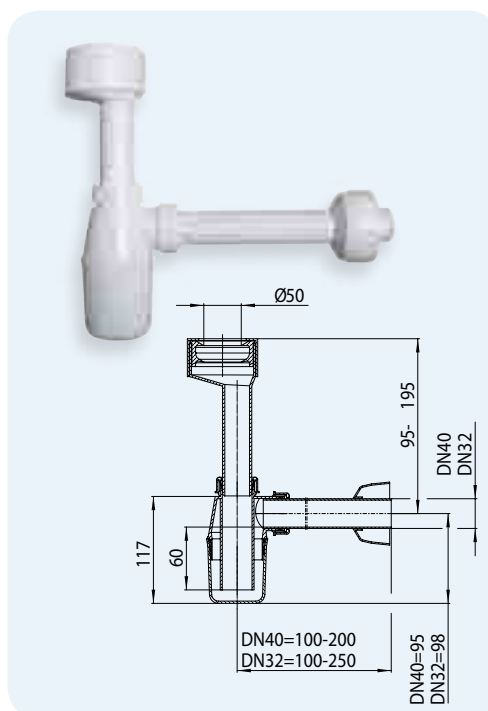
- Relevant standards/directives
 DIN 13407 Wall-mounted urinals
 DIN 19541 Stench traps for special purposes
 DIN 1380 Connectors for urinals - requirements and verification

HL® Urinal traps – Products – Data

HL130 Urinal trap

Data

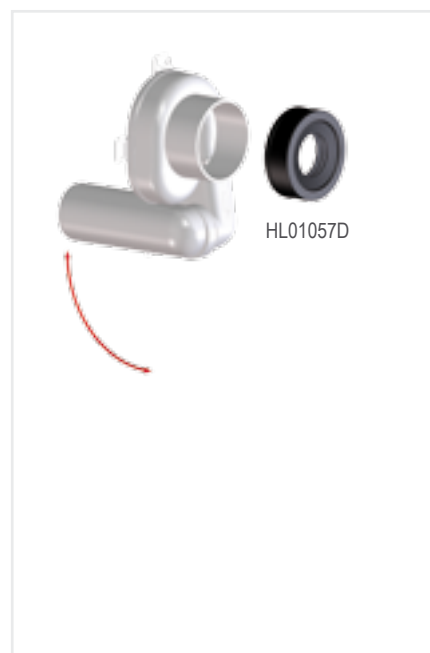
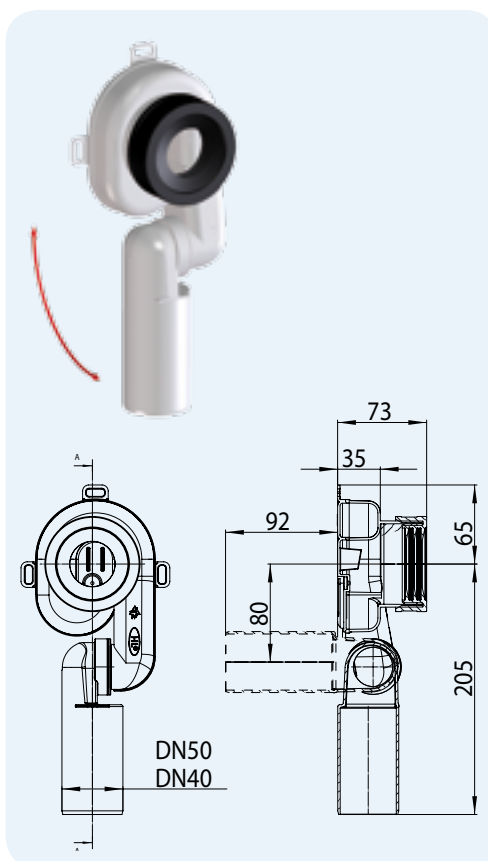
| | |
|------------------------|---|
| Material | PP |
| Connection dimension | Ø 50 ± 2 mm |
| Outlet dimension | HL130/30: DN32 HL130/40: DN40 |
| Capacity | 0,7 l/s |
| Standard | DIN 19541, DIN 1380 |
| Recommended for | urinals with vertical outlet |
| Additional information | Adjustable immersion tube, concealed lip-seal and rosette |



| HL-No. | Dimension | Weight | EAN | Piece/package |
|--------|-----------|--------|---------|---------------|
| 130/30 | DN32 | 260 g | +301300 | 1 |
| 130/40 | DN40 | 265 g | +013043 | 1 |

HL430 Urinal siphonic trap

| Data | |
|------------------------|--|
| Material | PP |
| Connection dimension | Ø 50 ± 2 mm |
| Outlet dimension | HL430/40: DN40 HL430/50: DN50 |
| Capacity | 0,7 l/s |
| Standard | EN 13407, DIN 19541, DIN 1380 |
| Recommended for | Urinal bowls with internal horizontal outlet and > 1l flush volume |
| Additional information | Ball-joint (0° - 90°) and gasket |

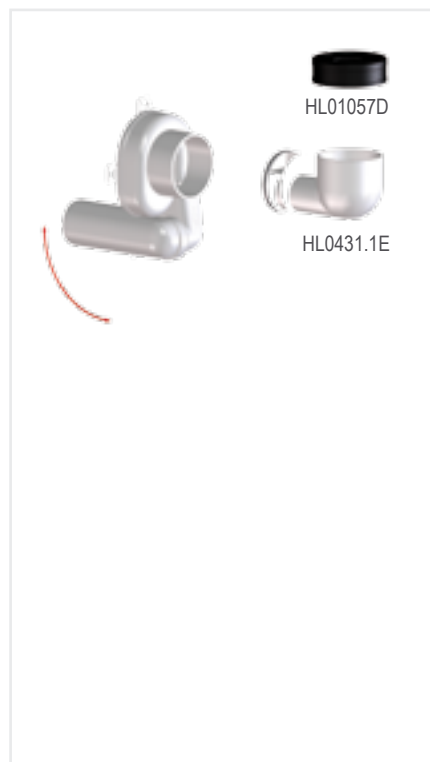
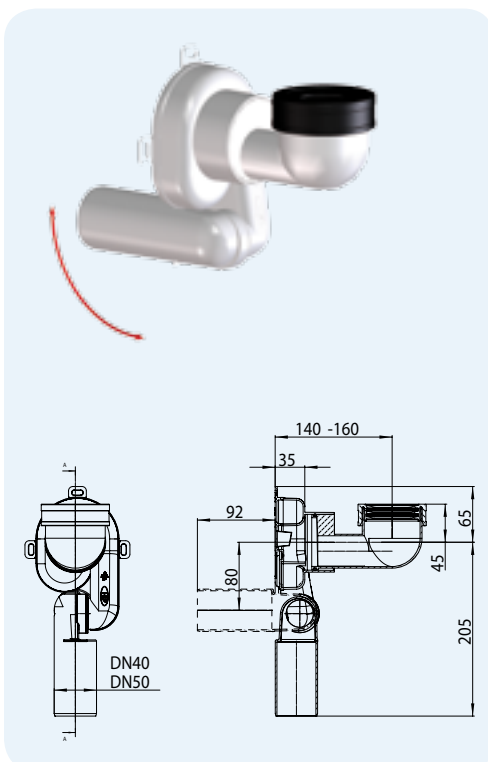


LAUFEN (ÖSPAG) KAPRUN 4005, CAPRINO 4406, JIKA LAUFEN, KER.ZÁVODY ZNOJMO: TYP GOLEM, IDEAL STANDARD TYP K 5500.01, VILLEROY + BOCH: TYP 7508, TYP 7510, KERAMAG: TYP 236500, DELTA FONDO, PUBLIC LINE, ALLER, RENOVA NR.1, CORSO, MONDO, PAREO, SPHINX: EUROBASE 70/75, EUROPA 80/85, ANTIBES NOVOBOCH 600/601, P-4005 LGA, DOLOMITE VOLGA 2956, 2957.

| HL-No. | Dimension | Weight | EAN | Piece/package |
|--------|-----------|--------|---------|---------------|
| 430/40 | DN40 | 180 g | +304301 | 10 |
| 430/50 | DN50 | 185 g | +314300 | 10 |

HL431 Urinal siphonic trap

| Data | |
|------------------------|--|
| Material | PP |
| Connection dimension | Ø 50 ± 2 mm |
| Outlet dimension | HL431/40: DN40 HL431/50: DN50 |
| Capacity | 0,7 l/s |
| Standard | EN 13407, DIN 19541, DIN 1380 |
| Recommended for | Urinal bowls with internal vertical outlet |
| Additional information | Ball-joint (0° - 90°) and gasket |

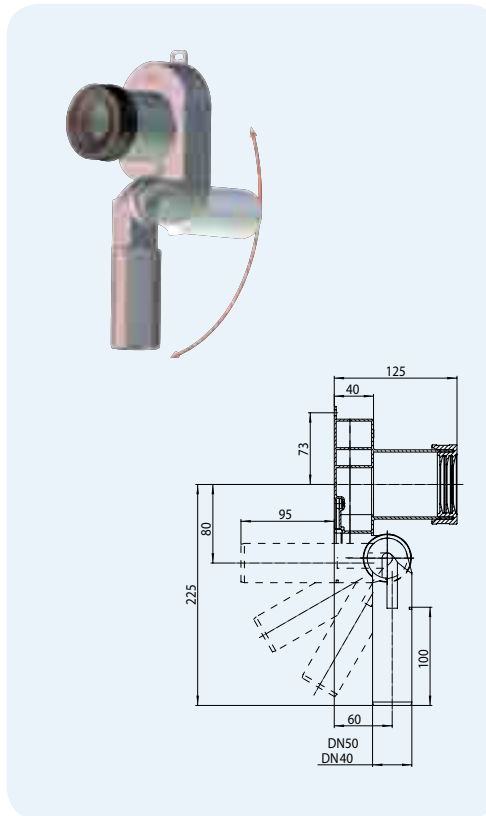


| HL-No. | Dimension | Weight | EAN | Piece/package |
|--------|-----------|--------|---------|---------------|
| 431/40 | DN40 | 250 g | +000777 | 10 |
| 431/50 | DN50 | 260 g | +000791 | 10 |

HL432 Urinal siphonic trap

Data

| | |
|------------------------|--|
| Material | PP |
| Connection dimension | Ø 50 ± 2 mm |
| Outlet dimension | HL432/40: DN40 HL432/50: DN50 |
| Capacity | 0,7 l/s |
| Standard | EN 13407, DIN 19541, DIN 1380 |
| Recommended for | Urinal bowls with internal horizontal outlet, e. g. for Keramag "Joly" |
| Additional information | Ball-joint (0° - 90°) and gasket |



| HL-No. | Dimension | Weight | EAN | Piece/package |
|--------|-----------|--------|---------|---------------|
| 432/40 | DN40 | 190 g | +000821 | 10 |
| 432/50 | DN50 | 195 g | +000845 | 10 |