



KOMPAQDRAIN®

CIVIL DRAINAGE

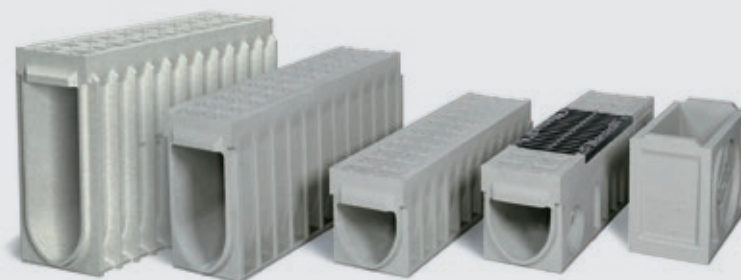
KOMPAQDRAIN®

SYSTEM

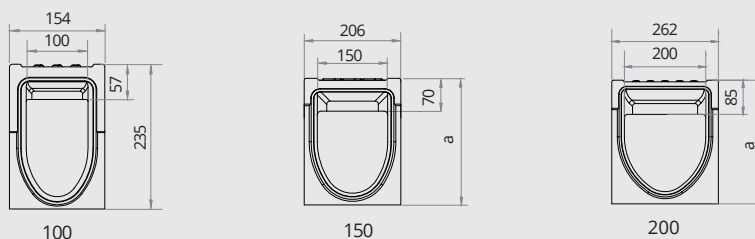
A monolithic system specially designed for areas with high traffic density by ULMA Architectural Solutions, specialists in drainage system, this novel compact channel made of polymer concrete, is suitable up to load class F900, according to standard EN-1433.

Motorways, airports, service stations and other intense traffic areas require high drainage and maximum safety, requirements to which **KOMPAQDRAIN®** responds with a combination of features that make it unique on the market.

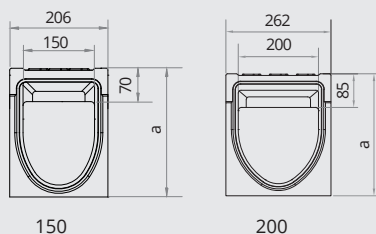
These channels offer different surfaces according to its use.



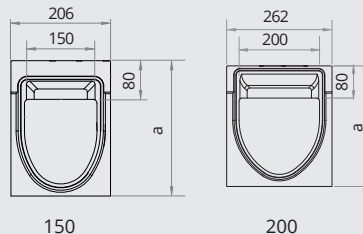
CITY



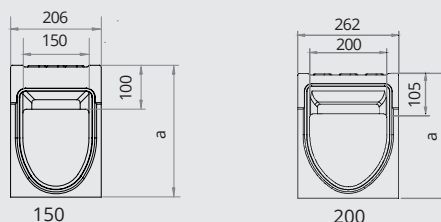
TRAFFIC



INDUSTRY



CIVIL



KOMPAQDRAIN® ADVANTAGES

Long-lasting and resistant

It is manufactured in **polymer concrete**, an anti-corrosive material, which offers great durability and exceptional resistance. Suitable to all class of loads.

It is compact

Channel and grating form a **one-piece unit**, ensuring greater **rigidity**. Ideal for areas with maximum safety requirements.

Directional elements

Drive water inwards, increasing intake.

Non - slippery surface

Special geometry to improve the grip.

Quick installation

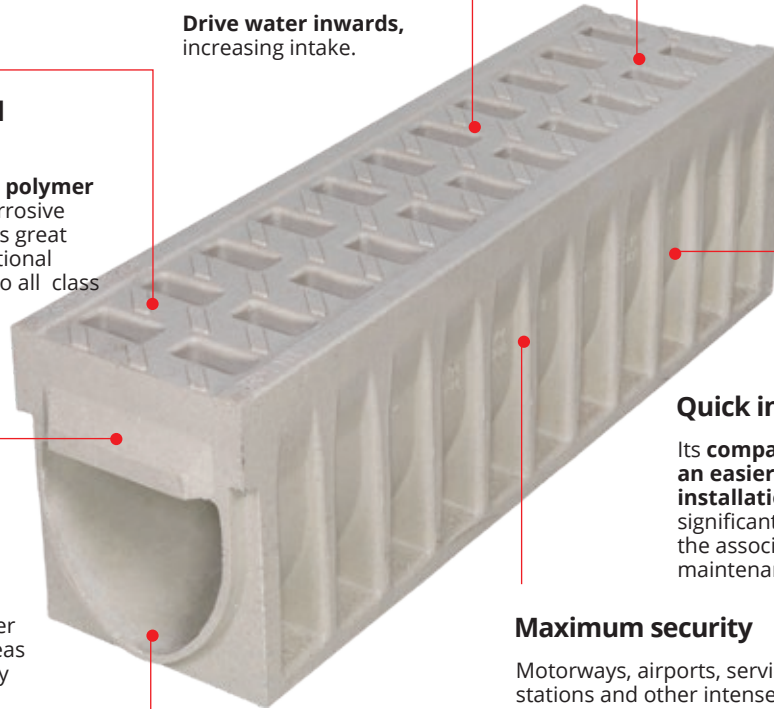
Its **compactness enables an easier and faster installation**, reducing significantly the associated costs and maintenance.

Maximum security

Motorways, airports, service stations and other intense traffic areas require **maximum safety**, requirements to which **KOMPAQDRAIN®** responds presenting the channel and grating in one piece.

Self-cleaning

Its **"V" optimized shape** for greater hydraulic efficiency, avoid dirt blockage and ensures an efficient self-cleaning effect.



ACCES UNIT

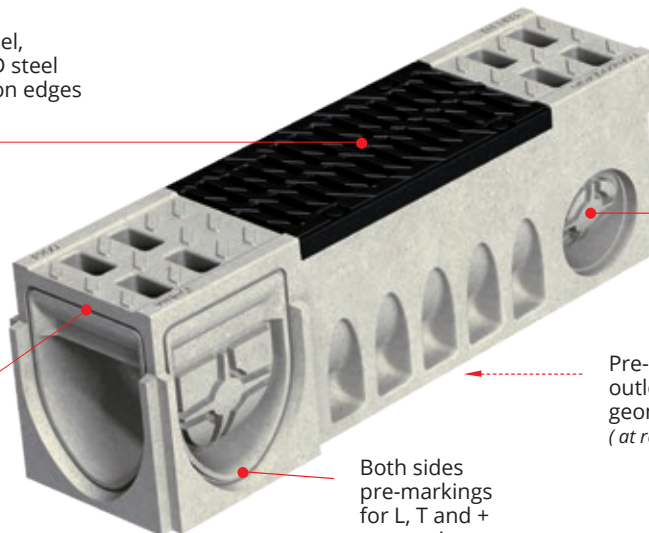
Stainless steel, GALVANISED steel or ductile iron edges available

Perimetral preformed groove to facilitate joint sealing in 360°

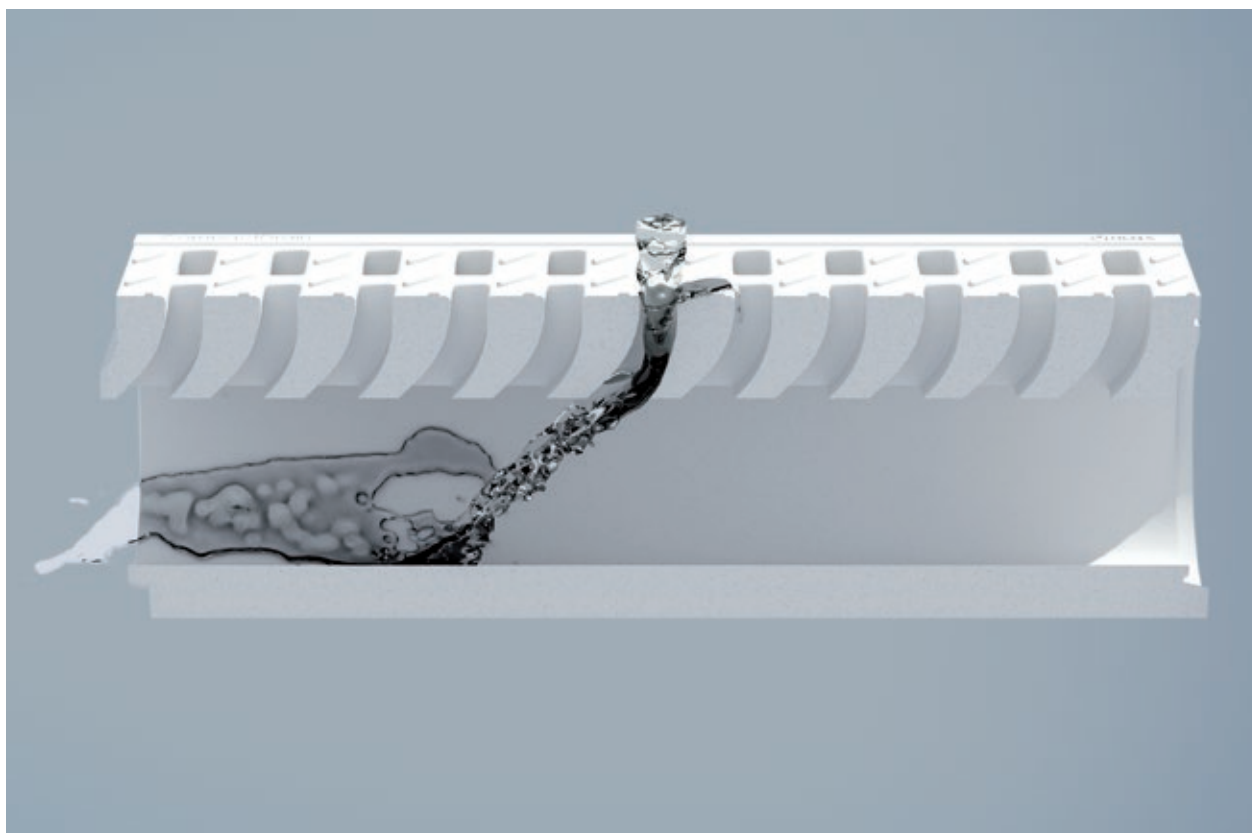
Both sides pre-marking for horizontal outlets with rapid opening geometry

Pre-marking for vertical outlet with rapid opening geometry (at register unit's bottom)

Both sides pre-markings for L, T and + connections



MAX FLOW® SYSTEM

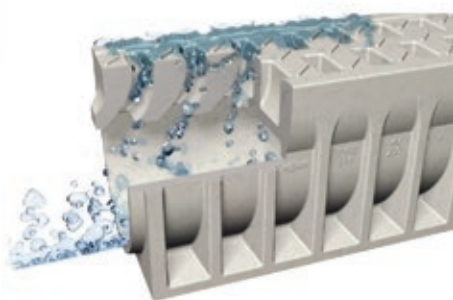


The original curved design of the inlets, together with the non-slip surface and water router, achieve the novel **Max Flow®** effect, **increasing the water speed and the drainage capacity**. Moreover, the progressive widening of the orifices helps the waste pass through more easily. Therefore **KOMPAQDRAIN®** can drain the same volume of water with a smaller channel.

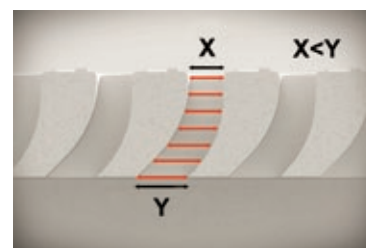
KOMPAQDRAIN® meets all requirements of the EN-1433 international standard of quality and reliability.



CURVED DESIGN OF THE INLETS

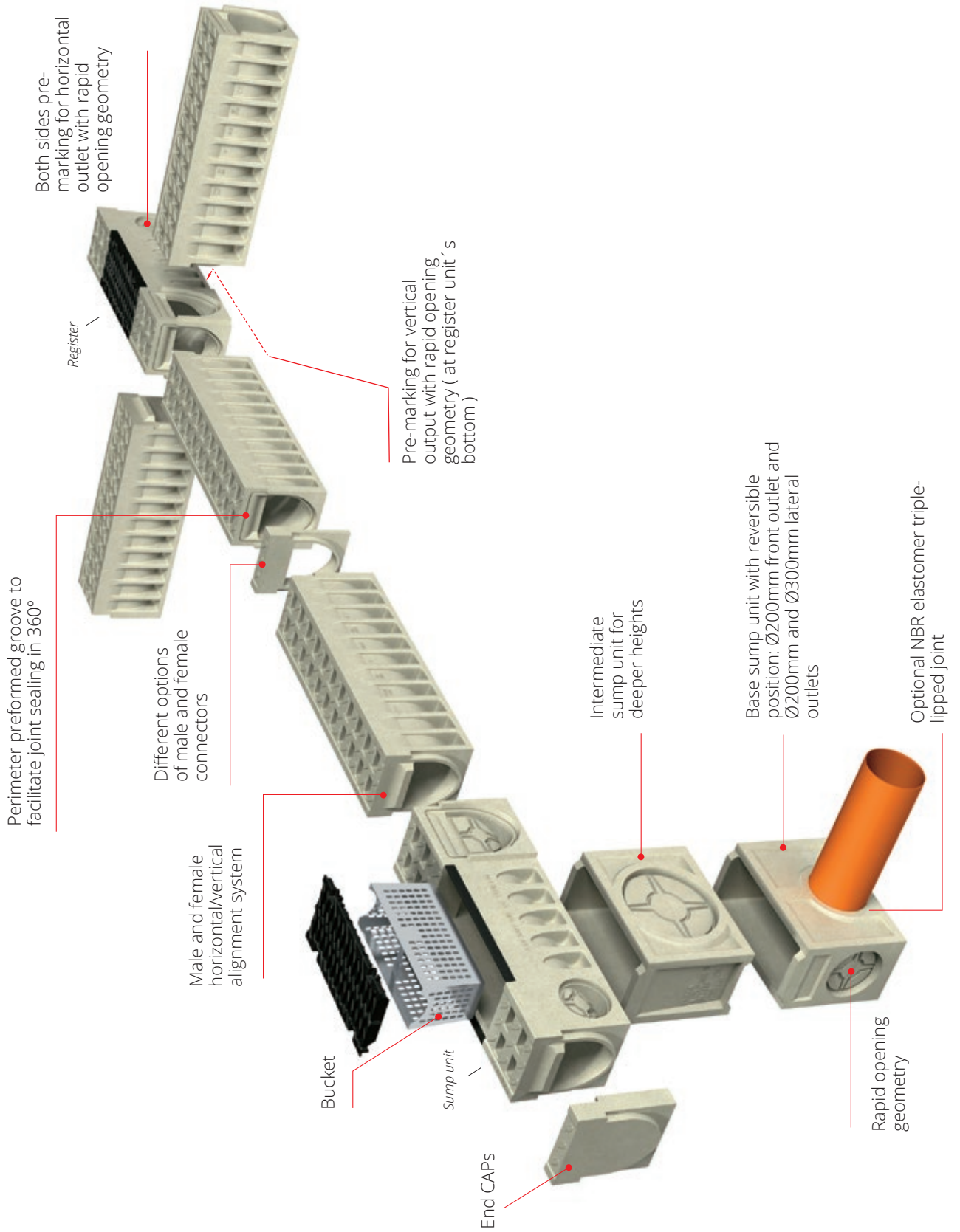


IT INCREASES THE WATER ENTRY SPEED AND THE DRAINAGE CAPACITY



PROGRESSIVE WIDENING TO PREVENT DIRT BLOCKAGE

KOMPAQDRAIN® OVERVIEW

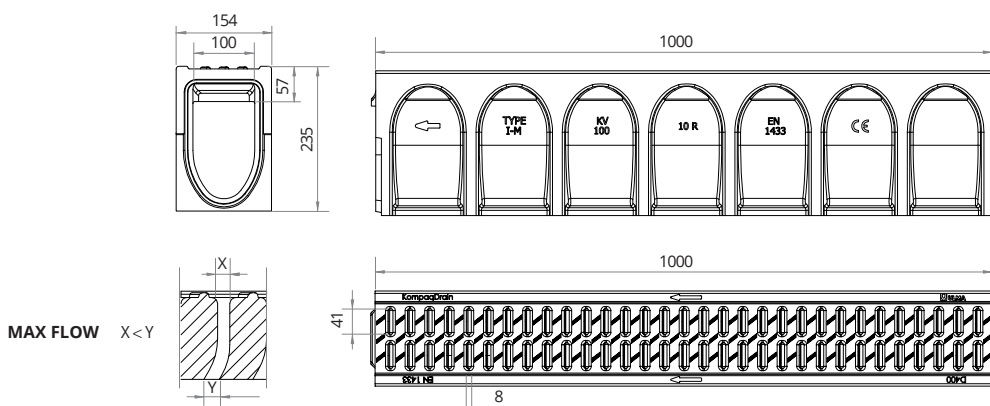


Load Class
up to D400
EN-1433 Standard

KOMPAQ100 CITY CE

Linear Drainage Channel model **ULMA KompaqDrain® City KVDH100**, with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal – proof and corrosion resistant. Load class up to D-400, for all type of vehicles crossing and with reduced capture holes of 8 mm. With “V” optimized shaped and capture holes with MAX-FLOW® geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface for cutting of water sheet and for its driving to uptake holes and with non-slippery protuberances. Male and female horizontal and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include: cast iron grating FNHX100FTDM, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------------------|---------------|---------------------------------|
| | | | External | Internal | | | | |
| KVDH100.10R | 1000 | 235 | 154 | 100 | 32,6 | 139,5 | 28 | 198 |

ACCESS UNITS

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml | |
|---------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------------------|---------------|---------------------------------|-----|
| | | | Ext. | Int. | | | | | | | | |
| AKVDH100MF10R | 1000 | 235 | 154 | 100 | 110 | 110 | 110 | Yes | 40 | 139,5 | 28 | 159 |

* Standard cast iron edges, GALVANISED and stainless steel edges available.

AKVDH100MF10R



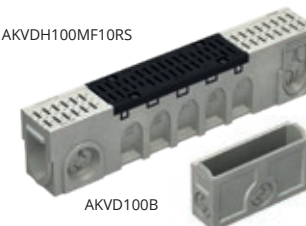
SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Galva. steel bucket | Intake area cm ² /ml | |
|----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------------------|---------------|---------------------|---------------------------------|-----|
| | | | Ext. | Int. | | | | | | | | |
| AKVDH100MF10RS | 1000 | 235 | 154 | 100 | - | 110 | 110 | - | 139,5 | 28 | - | 159 |
| AKVD100I | 500 | 260 | 154 | 100 | 110 | 160 | 110 | 17 | - | 24 | CKV100 | - |
| AKVD100B | 500 | 260 | 154 | 100 | 110 | 160 | 110 | 19 | - | 24 | CKV100 | - |

** The Sump unit can be higher incorporating an intermediate unit of 260mm. AKVD100I.

*** More info about sump units and registers on page 150

AKVDH100MF10RS



AKVD100B

END CAPS



RC

RAJ

| Channel | Code | Ø mm |
|-------------|----------------|------|
| KVDH100.10R | TKVDH100.10RC | - |
| | TKVDH100.10RAJ | 90 |

CONNECTORS



FFA

MMA

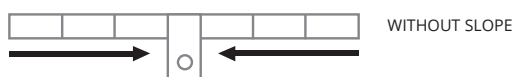
| Channel | Code |
|-------------|------------------|
| KVDH100.10R | TCKVDH100.10RFFA |
| | TCKVDH100.10RMMA |

BUCKET



| Code |
|--------|
| CKV100 |

SLOPE DESIGNS



Load Class
up to D400
EN-1433 Standard

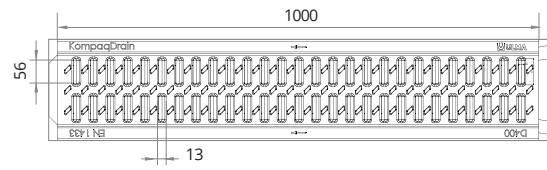
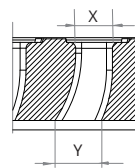
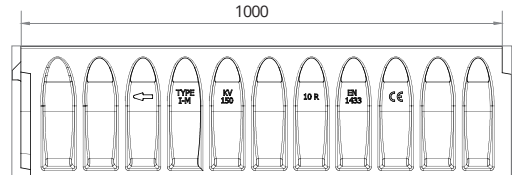
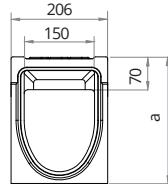
KOMPAQ150

CITY



Linear Drainage Channel model **ULMA KompaqDrain® City KVFDH150**, with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal – proof and corrosion resistant. Load class up to D-400, for all type of vehicles crossing and with reduced capture holes of 13 mm. With “V” optimized shaped and capture holes with MAX-FLOW® geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface of cutting of water sheet and for its driving to uptake holes and with non-slippery protuberances. Male and female horizontal and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include: cast iron grating FNHX150FTDM, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------------------|---------------|---------------------------------|
| | | | External | Internal | | | | |
| KVFDH150.10R | 1000 | 270 | 206 | 150 | 60 | 227 | 12 | 379 |
| KVFDH150.20R | 1000 | 370 | 206 | 150 | 70 | 377 | 12 | 379 |
| KVFDH150.30R | 1000 | 470 | 206 | 150 | 79 | 527 | 8 | 379 |

ACCESS UNIT

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml |
|----------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------------------|---------------|---------------------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVFDH150MF10R | 1000 | 270 | 206 | 150 | 160 160 | 160 | Yes | 61 | 227 | 12 | 525 |
| AKVFDH150MF20R | 1000 | 370 | 206 | 150 | 200 200 | 160 | Yes | 71 | 377 | 12 | 525 |
| AKVFDH150MF30R | 1000 | 470 | 206 | 150 | 315 315 | 160 | Yes | 80 | 527 | 8 | 525 |

* Standard cast iron edges, galvanised and stainless steel edges available.

AKVFDH150MF10R



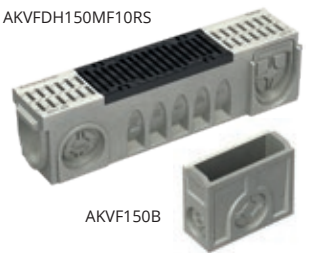
SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Galva. steel bucket | Intake area cm ² /ml |
|-----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------------------|---------------|---------------------|---------------------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVFDH150MF10RS | 1000 | 270 | 206 | 150 | - | 160 160 | 58 | 227 | 12 | - | 525 |
| AKVFDH150MF20RS | 1000 | 370 | 206 | 150 | - | 315 200 | 67 | 377 | 12 | - | 525 |
| AKVFDH150MF30RS | 1000 | 470 | 206 | 150 | - | 315 315 | 76 | 527 | 8 | - | 525 |
| AKVF150I | 500 | 380 | 206 | 150 | 160 | 200 315 | 30 | - | 16 | CKV150 | - |
| AKVF150B | 500 | 380 | 206 | 150 | 160 | 200 315 | 33 | - | 16 | CKV150 | - |

** The Sump unit can be higher incorporating an intermediate unit of 380 mm. AKVF150I

*** More info about sump units and registers on page 151

AKVFDH150MF10RS



AKVF150B

END CAPS

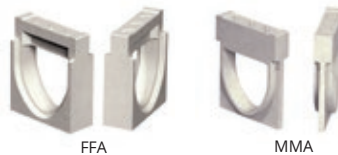


RC

RAJ

| Channel | Code | Ø mm |
|--------------|-----------------|------|
| KVFDH150.10R | TKVFDH150.10RC | - |
| | TKVFDH150.10RAJ | 110 |
| KVFDH150.20R | TKVFDH150.20RC | - |
| | TKVFDH150.20RAJ | 110 |
| KVFDH150.30R | TKVFDH150.30RC | - |
| | TKVFDH150.30RAJ | 110 |

CONNECTORS



FFA

MMA

| Channel | Code |
|--------------|-------------------|
| KVFDH150.10R | TCKVFDH150.10RFFA |
| | TCKVFDH150.10RMMA |
| KVFDH150.20R | TCKVFDH150.20RFFA |
| | TCKVFDH150.20RMMA |
| KVFDH150.30R | TCKVFDH150.30RFFA |
| | TCKVFDH150.30RMMA |

BUCKET



| Code |
|--------|
| CKV150 |

STEP UNIT



| Code |
|---------|
| CEKV150 |

To install in the changes of height with cascaded slope.

SLOPE DESIGNS

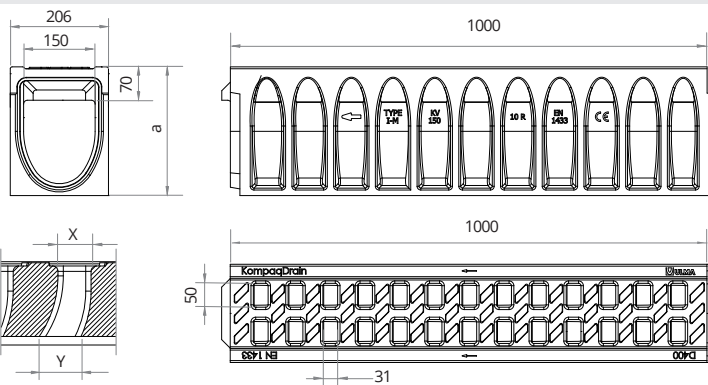


Load Class
up to **D400**
EN-1433 Standard

KOMPAQ150 TRAFFIC CE

Linear Drainage Channel model **ULMA KompaqDrain® Traffic KVFD150**, with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal – proof and corrosion resistant. Load class up to D-400, for all type of vehicles crossing. With “V” optimized shaped and capture holes with **MAX-FLOW®** geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface for cutting of water sheet and for its driving to uptake holes and with non-slippery protuberances. Male and female horizontal and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include: cast iron grating **FNX150FTDM**, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weigth Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------------------|---------------|---------------------------------|
| | | | External | Internal | | | | |
| KVFD150.10R | 1000 | 270 | 206 | 150 | 57 | 227 | 12 | 398 |
| KVFD150.20R | 1000 | 370 | 206 | 150 | 67 | 377 | 12 | 398 |
| KVFD150.30R | 1000 | 470 | 206 | 150 | 78 | 527 | 8 | 398 |

ACCESS UNIT

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weigth Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml |
|---------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------------------|---------------|---------------------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVFD150MF10R | 1000 | 270 | 206 | 150 | 160 160 | 160 | Yes | 57,7 | 227 | 12 | 489 |
| AKVFD150MF20R | 1000 | 370 | 206 | 150 | 200 200 | 160 | Yes | 68 | 377 | 12 | 489 |
| AKVFD150MF30R | 1000 | 470 | 206 | 150 | 315 315 | 160 | Yes | 79 | 527 | 8 | 489 |

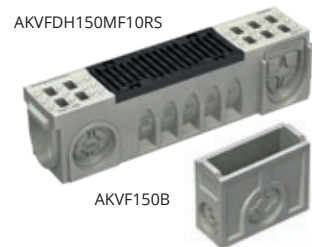
* Standard cast iron edges, galvanised and stainless steel edges available.



SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weigth Kg | Hydraul. Section cm ² | Pcs. x pallet | Galva. steel bucket | Intake area cm ² /ml |
|----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------------------|---------------|---------------------|---------------------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVFD150MF10RS | 1000 | 270 | 206 | 150 | - | 160 160 | 54 | 227 | 12 | - | 489 |
| AKVFD150MF20RS | 1000 | 370 | 206 | 150 | - | 315 200 | 64 | 377 | 12 | - | 489 |
| AKVFD150MF30RS | 1000 | 470 | 206 | 150 | - | 315 315 | 75 | 527 | 8 | - | 489 |
| AKVF150I | 500 | 380 | 206 | 150 | 160 | 200 315 | 30 | - | 16 | CKV150 | - |
| AKVF150B | 500 | 380 | 206 | 150 | 160 | 200 315 | 33 | - | 16 | CKV150 | - |

** The Sump unit can be higher incorporating an intermediate unit of 380 mm. AKVF150I
 *** More info about sump units and registers on page 151

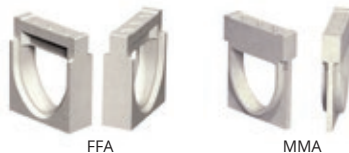


END CAPS



| Channel | Code | Ø mm |
|-------------|----------------|------|
| KVFD150.10R | TKVFD150.10RC | - |
| | TKVFD150.10RAJ | 110 |
| KVFD150.20R | TKVFD150.20RC | - |
| | TKVFD150.20RAJ | 110 |
| KVFD150.30R | TKVFD150.30RC | - |
| | TKVFD150.30RAJ | 110 |

CONNECTORS



| Channel | Code |
|-------------|------------------|
| KVFD150.10R | TCKVFD150.10RFFA |
| | TCKVFD150.10RMMA |
| KVFD150.20R | TCKVFD150.20RFFA |
| | TCKVFD150.20RMMA |
| KVFD150.30R | TCKVFD150.30RFFA |
| | TCKVFD150.30RMMA |

BUCKET



| Code |
|--------|
| CKV150 |

STEP UNIT



| Code |
|---------|
| CEKV150 |

To install in the changes of height with cascaded slope.

SLOPE DESIGNS

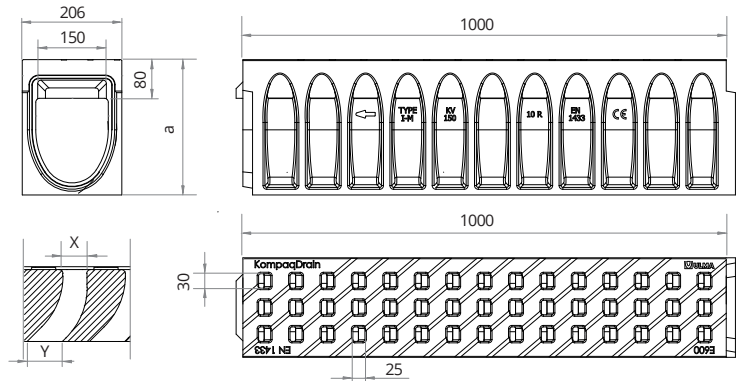
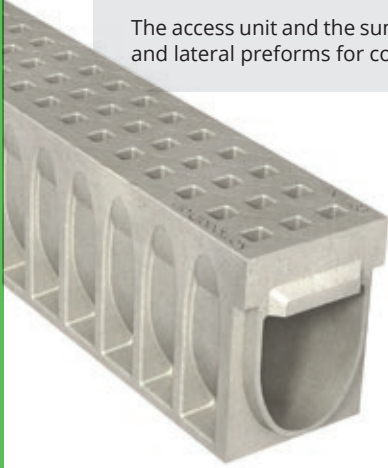


Load Class
up to E600
EN-1433 Standard

KOMPAQ150 INDUSTRY CE

Linear Drainage Channel model **ULMA KompaqDrain® Industry KVE150**, with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal – proof and corrosion resistant. Load class up to E-600 with surface design without protuberances to avoid vibrations in crossing vehicles, 30 x 25 mm uptake holes. With "V" optimized shaped and capture holes with MAX-FLOW® geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface for cutting of water sheet and for its driving to uptake holes. Male and female horizontal and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include: cast iron grating FN150FTEM, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weigth Kg | Hydraul. Section cm² | Pcs. x pallet | Intake area cm²/ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------|---------------|--------------------|
| | | | External | Internal | | | | |
| KVE150.10R | 1000 | 280 | 206 | 150 | 59 | 227 | 12 | 360 |
| KVE150.20R | 1000 | 380 | 206 | 150 | 69 | 377 | 12 | 360 |
| KVE150.30R | 1000 | 480 | 206 | 150 | 80 | 527 | 8 | 360 |

ACCESS UNIT

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weigth Kg | Hydraul. Section cm² | Pcs. x pallet | Intake area cm²/ml |
|--------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------|---------------|--------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVE150MF10R | 1000 | 280 | 206 | 150 | 160 160 | 160 | Yes | 59 | 227 | 12 | 529 |
| AKVE150MF20R | 1000 | 380 | 206 | 150 | 200 200 | 160 | Yes | 70 | 377 | 12 | 529 |
| AKVE150MF30R | 1000 | 480 | 206 | 150 | 315 315 | 160 | Yes | 80 | 527 | 8 | 529 |

* Standard cast iron edges, galvanised and stainless steel edges available.



SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weigth Kg | Hydraul. Section cm² | Pcs. x pallet | Galva. steel bucket | Intake area cm²/ml |
|----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------|---------------|---------------------|--------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVE150MF10RS | 500 | 280 | 206 | 150 | - | 160 160 | 56 | 227 | 12 | - | 529 |
| AKVE150MF20RS | 500 | 380 | 206 | 150 | - | 315 200 | 67 | 377 | 12 | - | 529 |
| AKVE150MF30RS | 500 | 480 | 206 | 150 | - | 315 315 | 77 | 527 | 8 | - | 529 |
| AKVF150I | 500 | 380 | 206 | 150 | 160 | 200 315 | 30 | - | 16 | CKV150 | - |
| AKVF150B | 500 | 380 | 206 | 150 | 160 | 200 315 | 33 | - | 16 | CKV150 | - |

** The Sump unit can be higher incorporating an intermediate unit of 380 mm. AKVF150I

*** More info about sump units and registers on page 151

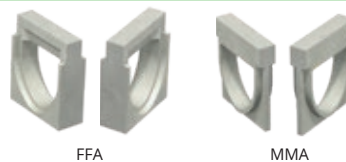


END CAPS



| Channel | Code | Ø mm |
|------------|---------------|------|
| KVE150.10R | TKVE150.10RC | - |
| | TKVE150.10RAJ | 110 |
| KVE150.20R | TKVE150.20RC | - |
| | TKVE150.20RAJ | 110 |
| KVE150.30R | TKVE150.30RC | - |
| | TKVE150.30RAJ | 110 |

CONNECTORS



| Channel | Code |
|------------|-----------------|
| KVE150.10R | TCKVE150.10RFFA |
| | TCKVE150.10RMMA |
| KVE150.20R | TCKVE150.20RFFA |
| | TCKVE150.20RMMA |
| KVE150.30R | TCKVE150.30RFFA |
| | TCKVE150.30RMMA |

BUCKET



| Code |
|--------|
| CKV150 |

STEP UNIT



| Code |
|---------|
| CEKV150 |

To install in the changes of height with cascaded slope.

SLOPE DESIGNS



Load Class
up to F900
EN-1433 Standard

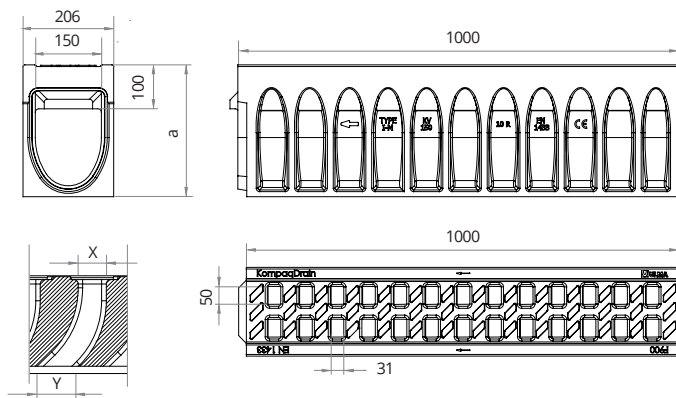
KOMPAQ150

CIVIL



Linear Drainage Channel model **ULMA KompaqDrain® Civil KVF150**, with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal - proof and corrosion resistant. Load class up to F-900, for heavy loads. With "V" optimized shaped and capture holes with MAX-FLOW® geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface for cutting of water sheet and for its driving to uptake holes and with non-slippery protuberances. Male and female horizontal and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include: cast iron grating FN150FTFM, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------------------|---------------|---------------------------------|
| | | | External | Internal | | | | |
| KVF150.10R | 1000 | 300 | 206 | 150 | 65 | 227 | 12 | 398 |
| KVF150.20R | 1000 | 400 | 206 | 150 | 75 | 377 | 12 | 398 |
| KVF150.30R | 1000 | 500 | 206 | 150 | 84 | 527 | 8 | 398 |

ACCESS UNIT

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml |
|--------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------------------|---------------|---------------------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVF150MF10R | 1000 | 300 | 206 | 150 | 160 | 160 | Yes | 69 | 227 | 12 | 514 |
| AKVF150MF20R | 1000 | 400 | 206 | 150 | 200 | 200 | Yes | 79 | 377 | 12 | 514 |
| AKVF150MF30R | 1000 | 500 | 206 | 150 | 315 | 315 | Yes | 89 | 527 | 8 | 514 |

* Standard cast iron edges, galvanised and stainless steel edges available.



SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Galva. steel bucket | Intake area cm ² /ml | |
|----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------------------|---------------|---------------------|---------------------------------|-----|
| | | | Ext. | Int. | | | | | | | | |
| AKVF150MF10RS | 1000 | 300 | 206 | 150 | - | 160 | 160 | 66 | 227 | 12 | - | 514 |
| AKVF150MF20RS | 1000 | 400 | 206 | 150 | - | 315 | 200 | 76 | 377 | 12 | - | 514 |
| AKVF150MF30RS | 1000 | 500 | 206 | 150 | - | 315 | 315 | 86 | 527 | 8 | - | 514 |
| AKVF150I | 500 | 380 | 206 | 150 | 160 | 200 | 315 | 30 | - | 16 | CKV150 | - |
| AKVF150B | 500 | 380 | 206 | 150 | 160 | 200 | 315 | 33 | - | 16 | CKV150 | - |

** The Sump unit can be higher incorporating an intermediate unit of 380 mm. AKVF150I

*** More info about sump units and registers on page 151

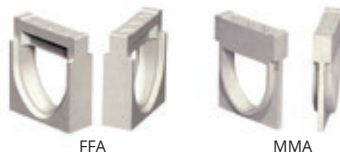


END CAPS



| Channel | Code | Ø mm |
|------------|---------------|------|
| KVF150.10R | TKVF150.10RC | - |
| | TKVF150.10RAJ | 110 |
| KVF150.20R | TKVF150.20RC | - |
| | TKVF150.20RAJ | 110 |
| KVF150.30R | TKVF150.30RC | - |
| | TKVF150.30RAJ | 110 |

CONNECTORS



| Channel | Code |
|------------|-----------------|
| KVF150.10R | TCKVF150.10RFFA |
| | TCKVF150.10RMMA |
| KVF150.20R | TCKVF150.20RFFA |
| | TCKVF150.20RMMA |
| KVF150.30R | TCKVF150.30RFFA |
| | TCKVF150.30RMMA |

BUCKET



| Code |
|--------|
| CKV150 |

STEP UNIT



| Code |
|---------|
| CEKV150 |

To install in the changes of height with cascaded slope.

SLOPE DESIGNS



Load Class
up to D400
EN-1433 Standard

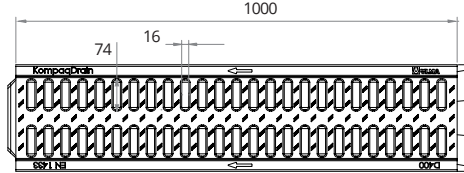
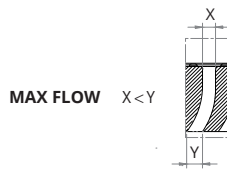
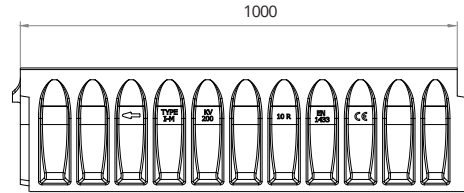
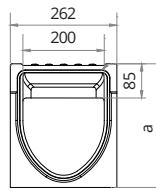
KOMPAQ200

CITY



Linear Drainage Channel model **ULMA KompaqDrain® City KVFDH200** with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal – proof and corrosion resistant. Load class up to D-400, for all type of vehicles crossing and with reduced capture holes of 16mm. With “V” optimized shaped and capture holes with MAX-FLOW® geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface for cutting of water sheet and for its driving to uptake holes and with non-slippery protuberances. Male and female horizontal and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include: cast iron grating FNX200FTDM, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weight Kg | Hydraul. Section cm² | Pcs. x pallet | Intake area cm²/ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------|---------------|--------------------|
| | | | External | Internal | | | | |
| KVFDH200.10R | 1000 | 305 | 262 | 200 | 79 | 318 | 12 | 573 |
| KVFDH200.30R | 1000 | 505 | 262 | 200 | 101 | 718 | 8 | 573 |
| KVFDH200.50R | 1000 | 705 | 262 | 200 | 131 | 1118 | 8 | 573 |

ACCESS UNIT

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weight Kg | Hydraul. Section cm² | Pcs. x pallet | Intake area cm²/ml |
|----------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------|---------------|--------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVFDH200MF10R | 1000 | 305 | 262 | 200 | 160 160 | 160 | Yes | 81 | 318 | 12 | 528 |
| AKVFDH200MF30R | 1000 | 505 | 262 | 200 | 315 315 | 200 | Yes | 105 | 718 | 8 | 528 |
| AKVFDH200MF50R | 1000 | 705 | 262 | 200 | 400 400 | 200 | Yes | 135 | 1118 | 8 | 528 |

* Standard cast iron edges, galvanised and stainless steel edges available.

AKVFDH200MF10R



SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weight Kg | Hydraul. Section cm² | Pcs. x pallet | Galva. steel bucket | Intake area cm²/ml |
|-----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------|---------------|---------------------|--------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVFDH200MF10RS | 1000 | 305 | 262 | 200 | - | 160 160 | 75 | 318 | 12 | - | 528 |
| AKVFDH200MF30RS | 1000 | 505 | 262 | 200 | - | 315 315 | 99 | 718 | 8 | - | 528 |
| AKVFDH200MF50RS | 1000 | 705 | 262 | 200 | - | 400 400 | 129 | 1118 | 8 | - | 528 |
| AKVF200I | 500 | 380 | 262 | 200 | 200 | 200 315 | 34 | - | 16 | CKV200 | - |
| AKVF200B | 500 | 380 | 262 | 200 | 200 | 200 315 | 38 | - | 16 | CKV200 | - |

** The Sump unit can be higher incorporating an intermediate unit of 380 mm. AKVF200I.

*** More info about sump units and registers on page 152

AKVFDH200MF10RS



AKVF200B

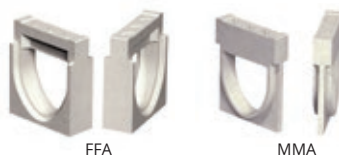
END CAPS



RC

RAJ

CONNECTORS



FFA

MMA

BUCKET



CKV200

STEP UNIT



CEKV200

| Channel | Code | Ø mm |
|--------------|-----------------|------|
| KVFDH200.10R | TKVFDH200.10RC | - |
| | TKVFDH200.10RAJ | 160 |
| KVFDH200.30R | TKVFDH200.30RC | - |
| | TKVFDH200.30RAJ | 200 |
| KVFDH200.50R | TKVFDH200.50RC | - |
| | TKVFDH200.50RAJ | 400 |

| Channel | Code |
|--------------|-------------------|
| KVFDH200.10R | TCKVFDH200.10RFFA |
| | TCKVFDH200.10RMMA |
| KVFDH200.30R | TCKVFDH200.30RFFA |
| | TCKVFDH200.30RMMA |
| KVFDH200.50R | TCKVFDH200.50RFFA |
| | TCKVFDH200.50RMMA |

To install in the changes of height with cascaded slope.

SLOPE DESIGNS

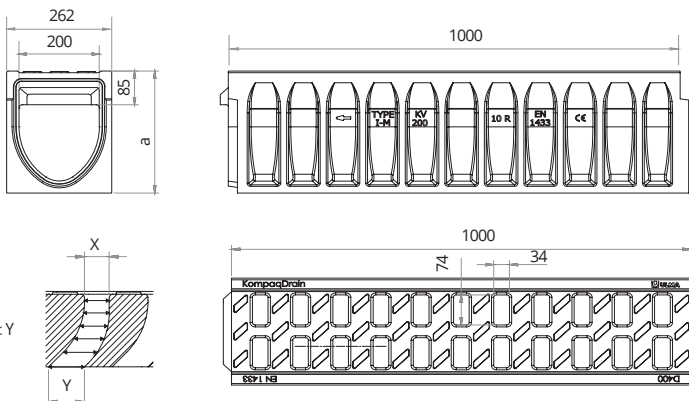


Load Class
up to D400
EN-1433 Standard

KOMPAQ200 TRAFFIC

Linear Drainage Channel model **ULMA KompaqDrain® Traffic KVFD200**, with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal – proof and corrosion resistant. Load class up to D-400, for all type of vehicles crossing. With “V” optimized shaped and capture holes with MAX-FLOW® geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface for cutting of water sheet and for its driving to uptake holes and with non-slippery protuberances. Male and female horizontal and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include: cast iron grating FNX200FTDM, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weight Kg | Hydraul. Section cm² | Pcs. x pallet | Intake area cm²/ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------|---------------|--------------------|
| | | | External | Internal | | | | |
| KVFD200.10R | 1000 | 305 | 262 | 200 | 78 | 318 | 12 | 577 |
| KVFD200.30R | 1000 | 505 | 262 | 200 | 101 | 718 | 8 | 577 |
| KVFD200.50R | 1000 | 705 | 262 | 200 | 131 | 1118 | 8 | 577 |

ACCESS UNIT

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weight Kg | Hydraul. Section cm² | Pcs. x pallet | Intake area cm²/ml |
|---------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------|---------------|--------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVFD200MF10R | 1000 | 305 | 262 | 200 | 160 160 | 160 | Yes | 80 | 318 | 12 | 486 |
| AKVFD200MF30R | 1000 | 505 | 262 | 200 | 315 315 | 200 | Yes | 104 | 718 | 8 | 486 |
| AKVFD200MF50R | 1000 | 705 | 262 | 200 | 400 400 | 200 | Yes | 135 | 1118 | 8 | 486 |

* Standard cast iron edges, galvanised and stainless steel edges available.

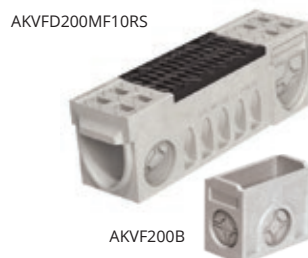


SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weight Kg | Hydraul. Section cm² | Pcs. x pallet | Galva. steel bucket | Intake area cm²/ml |
|----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------|---------------|---------------------|--------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVFD200MF10RS | 1000 | 305 | 262 | 200 | - | 160 160 | 74 | 318 | 12 | - | 486 |
| AKVFD200MF30RS | 1000 | 505 | 262 | 200 | - | 315 315 | 98 | 718 | 8 | - | 486 |
| AKVFD200MF50RS | 1000 | 705 | 262 | 200 | - | 400 400 | 128 | 1118 | 8 | - | 486 |
| AKVF200I | 500 | 380 | 262 | 200 | 200 | 200 315 | 34 | - | 16 | CKV200 | - |
| AKVF200B | 500 | 380 | 262 | 200 | 200 | 200 315 | 38 | - | 16 | CKV200 | - |

** The Sump unit can be higher incorporating an intermediate unit of 380 mm. AKVF200I.

*** More info about sump units and registers on page 152



END CAPS



RC

RAJ

CONNECTORS



FFA

MMA

BUCKET



CKV200

STEP UNIT



CEKV200

| Channel | Code | Ø mm |
|-------------|----------------|------|
| KVFD200.10R | TKVFD200.10RC | - |
| | TKVFD200.10RAJ | 160 |
| KVFD200.30R | TKVFD200.30RC | - |
| | TKVFD200.30RAJ | 200 |
| KVFD200.50R | TKVFD200.50RC | - |
| | TKVFD200.50RAJ | 400 |

| Channel | Code |
|-------------|------------------|
| KVFD200.10R | TCKVFD200.10RFFA |
| | TCKVFD200.10RMMA |
| KVFD200.30R | TCKVFD200.30RFFA |
| | TCKVFD200.30RMMA |
| KVFD200.50R | TCKVFD200.50RFFA |
| | TCKVFD200.50RMMA |

To install in the changes of height with cascaded slope.

SLOPE DESIGNS

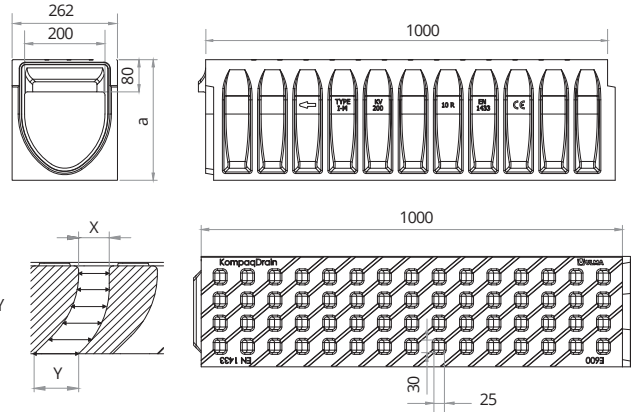
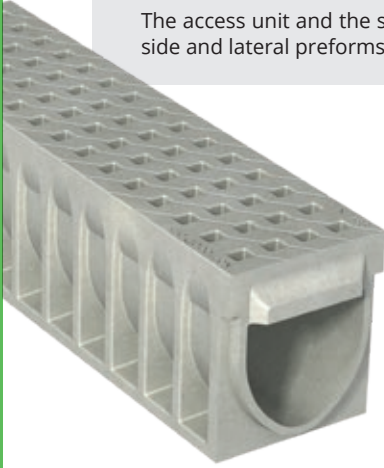


Load Class
up to E600
EN-1433 Standard

KOMPAQ200 INDUSTRY CE

Linear Drainage Channel model **ULMA KompaqDrain® Industry KVE200**, with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal – proof and corrosion resistant. Load class up to E-600 with surface design without protuberances to avoid vibrations in crossing vehicles, 30 x 25 mm uptake holes. With “V” optimized shaped and capture holes with MAX-FLOW® geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface for cutting of water sheet and for its driving to uptake holes. Male and female horizontal joint and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include: cast iron grating FNX200FTEM, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weigth Kg | Hydraul. Section cm² | Pcs. x pallet | Intake area cm²/ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------|---------------|--------------------|
| | | | External | Internal | | | | |
| KVE200.10R | 1000 | 300 | 262 | 200 | 81 | 318 | 12 | 480 |
| KVE200.30R | 1000 | 500 | 262 | 200 | 104 | 718 | 8 | 480 |
| KVE200.50R | 1000 | 700 | 262 | 200 | 134 | 1118 | 8 | 480 |

ACCESS UNIT

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weigth Kg | Hydraul. Section cm² | Pcs. x pallet | Intake area cm²/ml |
|--------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------|---------------|--------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVE200MF10R | 1000 | 300 | 262 | 200 | 160 160 | 160 | Yes | 82 | 318 | 12 | 500 |
| AKVE200MF30R | 1000 | 500 | 262 | 200 | 315 315 | 200 | Yes | 106 | 718 | 8 | 500 |
| AKVE200MF50R | 1000 | 700 | 262 | 200 | 400 400 | 200 | Yes | 137 | 1118 | 8 | 500 |

* Standard cast iron edges, galvanised and stainless steel edges available.

AKVE200MF10R



SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weigth Kg | Hydraul. Section cm² | Pcs. x pallet | Galva. steel bucket | Intake area cm²/ml |
|----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------|---------------|---------------------|--------------------|
| | | | Ext. | Int. | | | | | | | |
| AKVE200MF10RS | 1000 | 300 | 262 | 200 | - | 160 160 | 76 | 318 | 12 | - | 500 |
| AKVE200MF30RS | 1000 | 500 | 262 | 200 | - | 315 315 | 100 | 718 | 8 | - | 500 |
| AKVE200MF50RS | 1000 | 700 | 262 | 200 | - | 400 400 | 130 | 1118 | 8 | - | 500 |
| AKVF200I | 500 | 380 | 262 | 200 | 200 | 200 315 | 34 | - | 16 | CKV200 | - |
| AKVF200B | 500 | 380 | 262 | 200 | 200 | 200 315 | 38 | - | 16 | CKV200 | - |

** The Sump unit can be higher incorporating an intermediate unit of 380 mm. AKVF200I.

*** More info about sump units and registers on page 152

AKVE200MF10RS



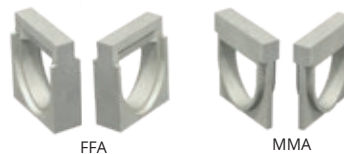
AKVF200B

END CAPS



| Channel | Code | Ø mm |
|------------|---------------|------|
| KVE200.10R | TKVE200.10RC | - |
| | TKVE200.10RAJ | 160 |
| KVE200.30R | TKVE200.30RC | - |
| | TKVE200.30RAJ | 200 |
| KVE200.50R | TKVE200.50RC | - |
| | TKVE200.50RAJ | 400 |

CONNECTORS



| Channel | Code |
|------------|-----------------|
| KVE200.10R | TCKVE200.10RFFA |
| | TCKVE200.10RMMA |
| KVE200.30R | TCKVE200.30RFFA |
| | TCKVE200.30RMMA |
| KVE200.50R | TCKVE200.50RFFA |
| | TCKVE200.50RMMA |

BUCKET



| Code |
|--------|
| CKV200 |

STEP UNIT



| Code |
|---------|
| CEKV200 |

To install in the changes of height with cascaded slope.

SLOPE DESIGNS



Load Class
up to F900
EN-1433 Standard

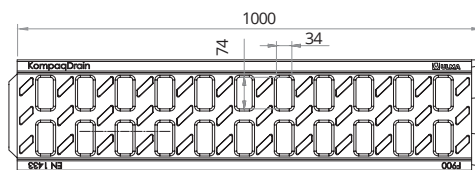
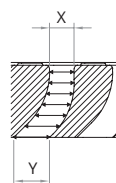
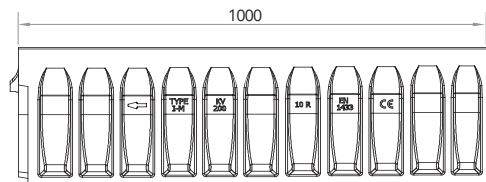
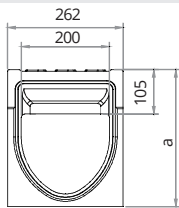
KOMPAQ200

CIVIL



Linear Drainage Channel model **ULMA KompaqDrain® Civil KVF200**, with an integral grating, presented in one-piece and manufactured by high resistant Polymer Concrete. Vandal - proof and corrosion resistant. Load class up to F-900 for high loads. With "V" optimized shaped and capture holes with MAX-FLOW® geometry: self-cleaning effect at a low flow, increase at maximum flow and positive opening in order to avoid dirt blockage, for areas without slope. Active surface for cutting of water sheet and for its driving to uptake holes and with non-slippery protuberances. Male and female horizontal and vertical alignment and perimeter preformed groove to facilitate joint sealing in 360°.

The access unit and the sump unit include cast iron grating FNX200FTFM, lateral preforms for horizontal outlets on each side and lateral preforms for connections in T, L and in cross.



CHANNELS

| Channel code | L mm | Height mm | Channel width mm | | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml |
|--------------|------|-----------|------------------|----------|-----------|----------------------------------|---------------|---------------------------------|
| | | | External | Internal | | | | |
| KVF200.10R | 1000 | 325 | 262 | 200 | 88 | 318 | 12 | 577 |
| KVF200.30R | 1000 | 525 | 262 | 200 | 111 | 718 | 8 | 577 |
| KVF200.50R | 1000 | 725 | 262 | 200 | 141 | 1118 | 8 | 577 |

ACCESS UNIT

| Channel code | L mm | Height mm | Channel width mm | | Lateral Outlet mm | Vertical Outlet mm | T and + channel connection | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Intake area cm ² /ml | |
|--------------|------|-----------|------------------|------|-------------------|--------------------|----------------------------|-----------|----------------------------------|---------------|---------------------------------|-----|
| | | | Ext. | Int. | | | | | | | | |
| AKVF200MF10R | 1000 | 325 | 262 | 200 | 160 | 160 | 160 | Yes | 90 | 318 | 12 | 670 |
| AKVF200MF30R | 1000 | 525 | 262 | 200 | 315 | 315 | 200 | Yes | 115 | 718 | 8 | 670 |
| AKVF200MF50R | 1000 | 725 | 262 | 200 | 400 | 400 | 200 | Yes | 145 | 1118 | 8 | 670 |

* Standard cast iron edges, galvanised and stainless steel edges available.

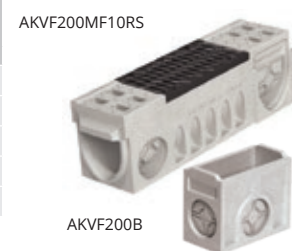


SUMP UNITS

| Sump Unit Code | L mm | Height mm | Width mm | | Frontal Outlet mm | Lateral Outlet mm | Weight Kg | Hydraul. Section cm ² | Pcs. x pallet | Galva. steel bucket | Intake area cm ² /ml | |
|----------------|------|-----------|----------|------|-------------------|-------------------|-----------|----------------------------------|---------------|---------------------|---------------------------------|-----|
| | | | Ext. | Int. | | | | | | | | |
| AKVF200MF10RS | 1000 | 325 | 262 | 200 | - | 160 | 160 | 84 | 318 | 12 | - | 670 |
| AKVF200MF30RS | 1000 | 525 | 262 | 200 | - | 315 | 315 | 108 | 718 | 8 | - | 670 |
| AKVF200MF50RS | 1000 | 725 | 262 | 200 | - | 400 | 400 | 138 | 1118 | 8 | - | 670 |
| AKVF200I | 500 | 380 | 262 | 200 | 200 | 200 | 315 | 34 | - | 16 | CKV200 | - |
| AKVF200B | 500 | 380 | 262 | 200 | 200 | 200 | 315 | 38 | - | 16 | CKV200 | - |

** The Sump unit can be higher incorporating an intermediate unit of 380 mm. AKVF200I.

*** More info about sump units and registers on page 152

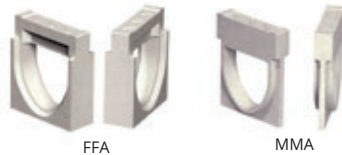


END CAPS



| Channel | Code | Ø mm |
|------------|---------------|------|
| KVF200.10R | TKVF200.10RC | - |
| | TKVF200.10RAJ | 160 |
| KVF200.30R | TKVF200.30RC | - |
| | TKVF200.30RAJ | 200 |
| KVF200.50R | TKVF200.50RC | - |
| | TKVF200.50RAJ | 400 |

CONNECTORS



| Channel | Code |
|------------|-----------------|
| KVF200.10R | TCKVF200.10RFFA |
| | TCKVF200.10RMMA |
| KVF200.30R | TCKVF200.30RFFA |
| | TCKVF200.30RMMA |
| KVF200.50R | TCKVF200.50RFFA |
| | TCKVF200.50RMMA |

BUCKET



| Code |
|--------|
| CKV200 |

STEP UNIT



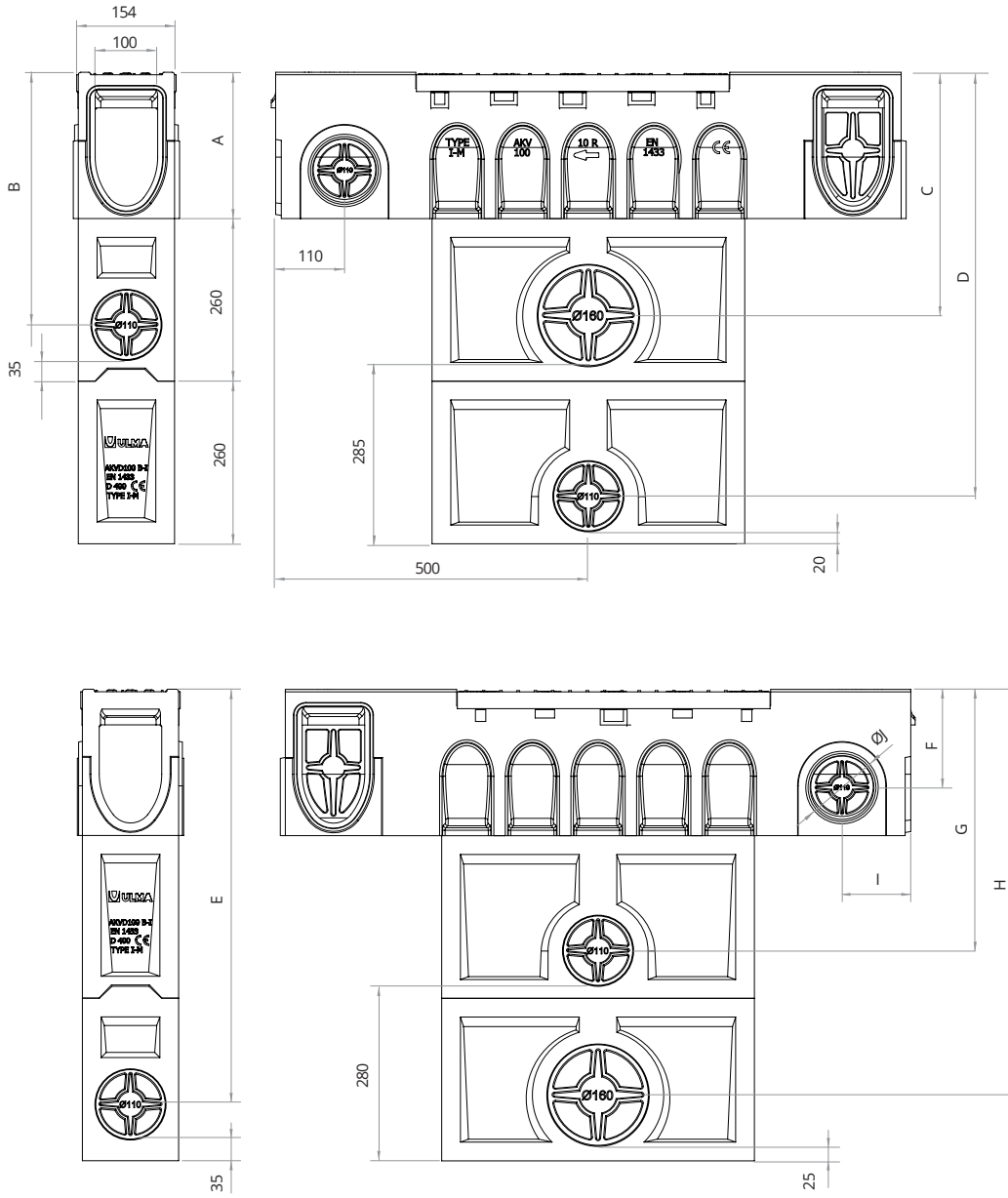
| Code |
|---------|
| CEKV200 |

To install in the changes of height with cascaded slope.

SLOPE DESIGNS



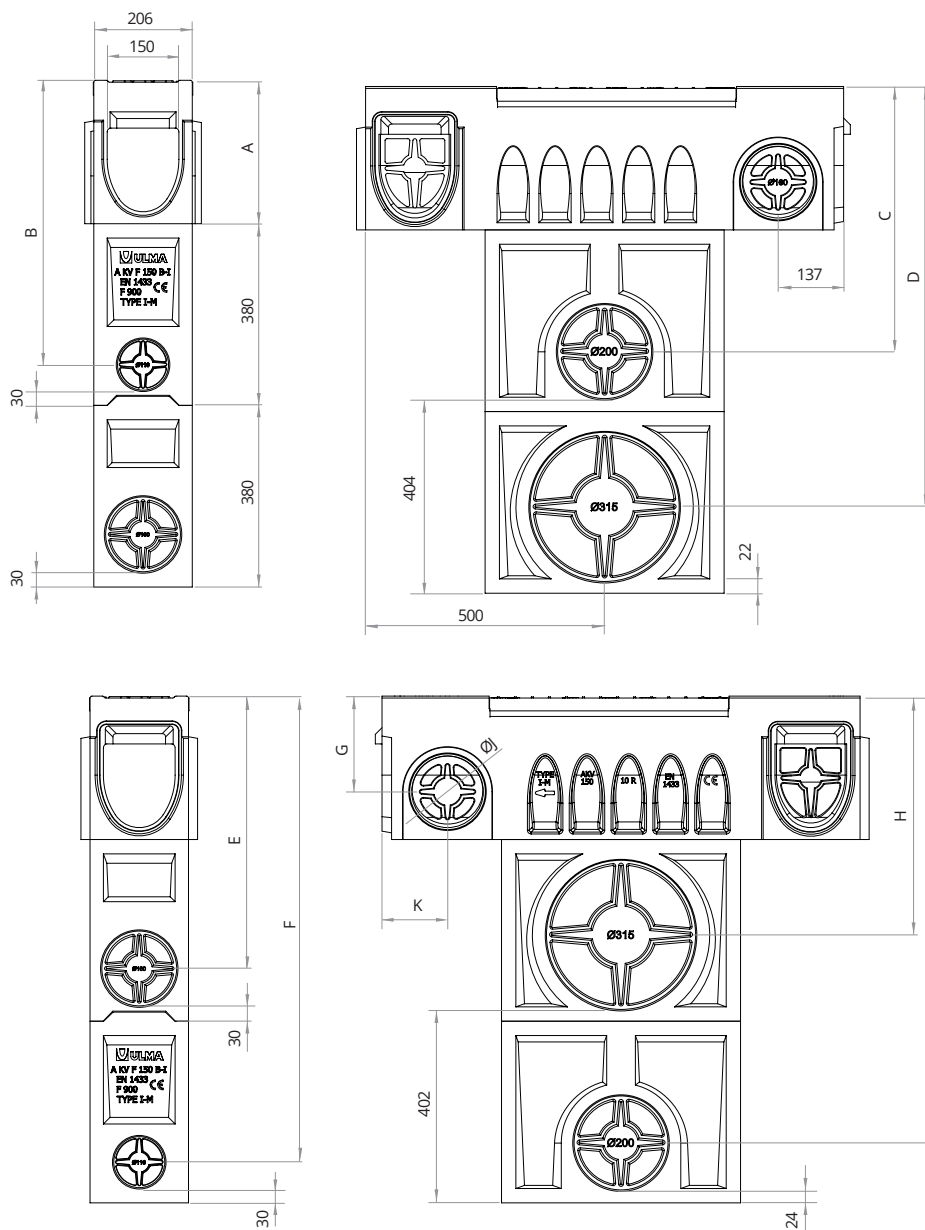
SUMP UNITS



| Sump Units Superior | A | B | C | D | E | F | G | H | I | J |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| AKVDH100MF10RS | 235 | 403 | 388 | 677 | 663 | 157 | 417 | 648 | 110 | 110 |

Possibility of installing upper body plus base or upper body, plus intermediate, plus base.

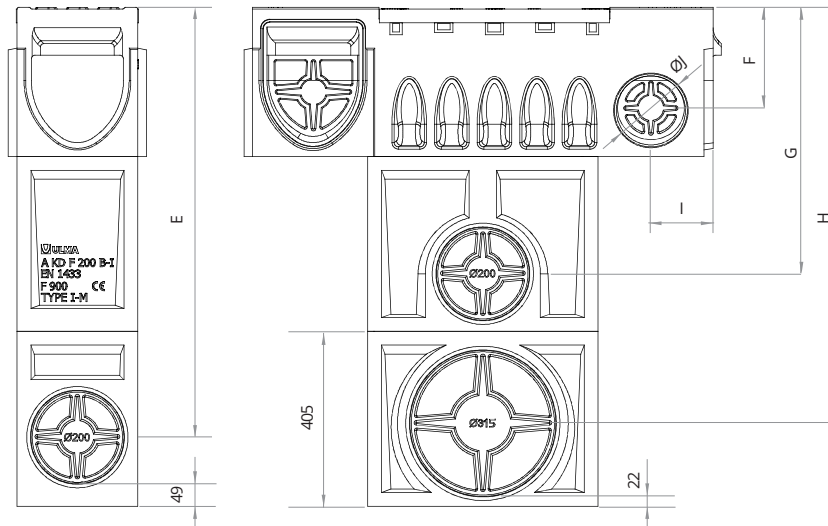
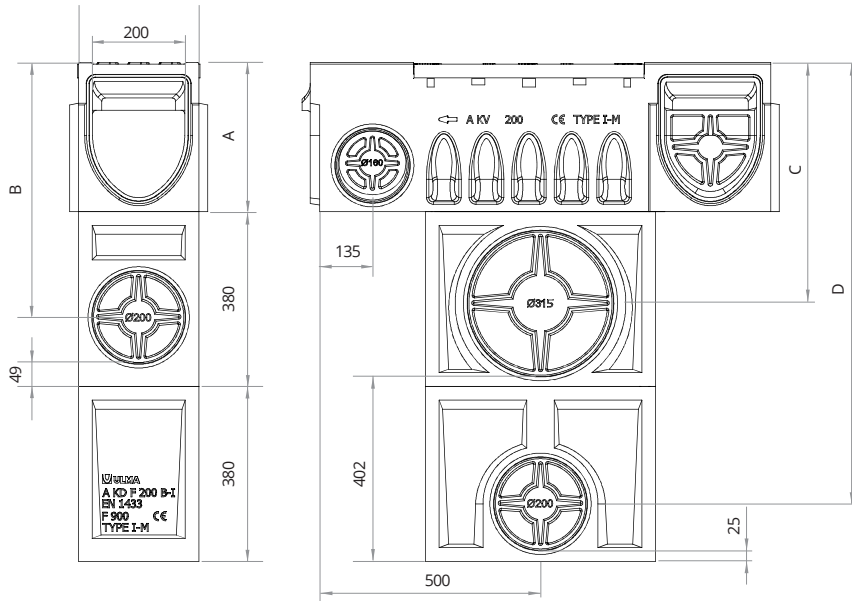
SUMP UNITS



| | Sump Units Superior | A mm | B mm | C mm | D mm | E mm | F mm | G mm | H mm | I mm | J mm | K mm |
|----------|---------------------|------|------|------|------|------|------|------|------|------|------|------|
| CITY | AKVFDH150MF10RS | 270 | 564 | 523 | 848 | 539 | 944 | 170 | 469 | 903 | 160 | 137 |
| | AKVFDH150MF20RS | 370 | 664 | 623 | 948 | 639 | 1044 | 250 | 569 | 1003 | 200 | 162 |
| | AKVFDH150MF30RS | 470 | 764 | 723 | 1048 | 739 | 1144 | 291 | 669 | 1103 | 315 | 203 |
| TRAFFIC | AKVFD150MF10RS | 270 | 564 | 523 | 848 | 539 | 944 | 170 | 469 | 903 | 160 | 137 |
| | AKVFD150MF20RS | 370 | 664 | 623 | 948 | 639 | 1044 | 250 | 569 | 1003 | 200 | 162 |
| | AKVFD150MF30RS | 470 | 764 | 723 | 1048 | 739 | 1144 | 291 | 669 | 1103 | 315 | 203 |
| INDUSTRY | AKVE150MF10RS | 280 | 574 | 533 | 858 | 549 | 954 | 180 | 479 | 913 | 160 | 137 |
| | AKVE150MF20RS | 380 | 674 | 633 | 958 | 649 | 1054 | 260 | 579 | 1013 | 200 | 162 |
| | AKVE150MF30RS | 480 | 774 | 733 | 1058 | 749 | 1154 | 301 | 679 | 1113 | 315 | 203 |
| CIVIL | AKVF150MF10RS | 300 | 594 | 553 | 878 | 569 | 974 | 200 | 499 | 933 | 160 | 137 |
| | AKVF150MF20RS | 400 | 694 | 653 | 978 | 669 | 1074 | 280 | 599 | 1033 | 200 | 162 |
| | AKVF150MF30RS | 500 | 794 | 753 | 1078 | 769 | 1174 | 321 | 699 | 1133 | 315 | 203 |

Possibility of installing upper body plus base or upper body, plus intermediate, plus base.

SUMP UNITS



| | Sump Units Superior | A mm | B mm | C mm | D mm | E mm | F mm | G mm | H mm | I mm | J mm |
|----------|---------------------|------|------|------|------|------|------|------|------|------|------|
| CITY | AKVFDH200MF10RS | 305 | 532 | 502 | 937 | 912 | 199 | 557 | 882 | 135 | 160 |
| | AKVFDH200MF30RS | 505 | 732 | 702 | 1137 | 1112 | 301 | 757 | 1082 | 203 | 315 |
| | AKVFDH200MF50RS | 705 | 932 | 902 | 1337 | 1312 | 473 | 957 | 1282 | 253 | 400 |
| TRAFFIC | AKVFD200MF10RS | 305 | 532 | 502 | 937 | 912 | 199 | 557 | 882 | 135 | 160 |
| | AKVFD200MF30RS | 505 | 732 | 702 | 1137 | 1112 | 301 | 757 | 1082 | 203 | 315 |
| | AKVFD200MF50RS | 705 | 932 | 902 | 1337 | 1312 | 473 | 957 | 1282 | 253 | 400 |
| INDUSTRY | AKVE200MF10RS | 300 | 527 | 497 | 932 | 907 | 194 | 552 | 877 | 135 | 160 |
| | AKVE200MF30RS | 500 | 727 | 697 | 1132 | 1107 | 296 | 752 | 1077 | 203 | 315 |
| | AKVE200MF50RS | 700 | 927 | 897 | 1332 | 1307 | 468 | 952 | 1277 | 253 | 400 |
| CIVIL | AKVF200MF10RS | 325 | 552 | 522 | 957 | 932 | 219 | 577 | 902 | 135 | 160 |
| | AKVF200MF30RS | 525 | 752 | 722 | 1157 | 1132 | 321 | 777 | 1102 | 203 | 315 |
| | AKVF200MF50RS | 725 | 952 | 922 | 1357 | 1332 | 493 | 988 | 1302 | 253 | 400 |

Possibility of installing upper body plus base or upper body, plus intermediate, plus base.



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