



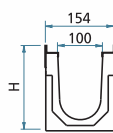
# KILLESHAL

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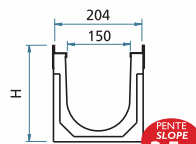
SYSTEM F



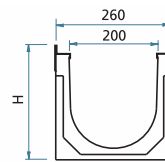
## SYSTEM F



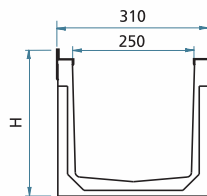
F100K



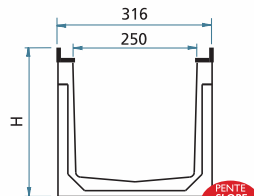
F150K



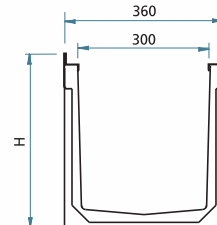
F200K



F250K



F250MF



F300K

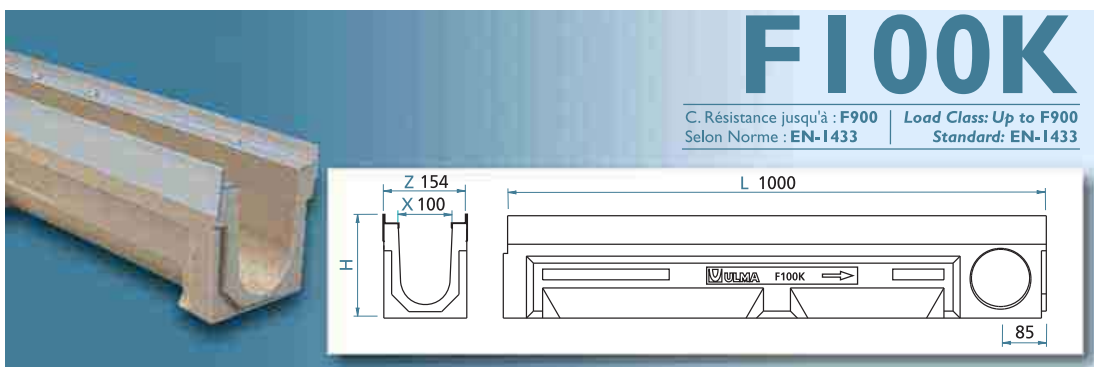
### TYPE DE PENTE / SLOPE DESIGNS

| SANS PENTE / WITHOUT SLOPE                                                                    | PENTE INCORPORÉE DE 2.5% / PRESLOPED 2,5% | PENTE EN CASCADE / CASCADED SLOPE                                                             | PENTE MIXTE / MIXED SLOPE     |
|-----------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------|
|                                                                                               |                                           |                                                                                               |                               |
| <b>F100K</b><br><b>F150K</b><br><b>F200K</b><br><b>F250K</b><br><b>F250MF</b><br><b>F300K</b> | <b>F150K</b><br><b>F250MF</b>             | <b>F100K</b><br><b>F150K</b><br><b>F200K</b><br><b>F250K</b><br><b>F250MF</b><br><b>F300K</b> | <b>F150K</b><br><b>F250MF</b> |

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| CODE      | L<br>(mm.) | H<br>(mm.) | LARGEUR / WIDTH (mm.) |     | Ø SORTIE / OUTLET (mm.) |        | HYDRAUL.<br>SECTION<br>(cm <sup>2</sup> ) | KG.  | UNITES x PALETTE<br>PCS x PALLET |
|-----------|------------|------------|-----------------------|-----|-------------------------|--------|-------------------------------------------|------|----------------------------------|
|           |            |            | Z                     | X   | VERT.                   | HORIZ. |                                           |      |                                  |
| F100K000R | 1000       | 130        | 154                   | 100 | 110                     | —      | 68                                        | 23,0 | 52                               |
| F100K00R  | 1000       | 190        | 154                   | 100 | 110                     | 110    | 126                                       | 27,5 | 52                               |
| F100K10R  | 1000       | 250        | 154                   | 100 | 110                     | 110    | 184                                       | 30,0 | 39                               |
| F100K20R  | 1000       | 310        | 154                   | 100 | 110                     | 110    | 242                                       | 36,1 | 39                               |

## DESCRIPTIF TECHNIQUE

Caniveau en Béton polymère de type ULMA, modèle F100K, largeur extérieure 154mm, largeur intérieure 100mm, hauteurs extérieures disponibles de 130mm à 310mm, possibilité de pente en cascade, pour récupérer les eaux de pluie, en modules de 1 ML de longueur, feuillures en acier galvanisé\* pour protection latérale, fixation de sécurité par 8 points au ML, adapté pour les grilles suivantes :

\* Disponible avec cornières en fonte / Also available with cast iron edges.

## TECHNICAL DESCRIPTION

Ulma Linear Drainage Channel type F100K: External width 154mm; Internal Width 100mm; Available with overall heights between 130mm and 310mm. Suitable for cascaded type slope to collect rain water in 1 metre long units. Safe locking system consists of eight bolts per ML; Integrated galvanised steel\* edges for lateral protection. Suitable for the following gratings:

## GRILLES / GRATINGS

### CAILLEBOTIS



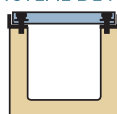
### FERMÉE



| MATIERE<br>MATERIAL  | DESSIN<br>DESIGN | RESIST.<br>LOAD | CODE          | L.<br>(mm.) | LARGEUR<br>WIDTH<br>(mm.) | UNITES x ML<br>UNITS x ML | KG. |
|----------------------|------------------|-----------------|---------------|-------------|---------------------------|---------------------------|-----|
| FONTE<br>DUCTIL IRON | CAIL. / MESH     | D400            | FE100FTDM     | 500         | 145                       | 2                         | 3,4 |
|                      | FER. / CLO.      | F900            | FC100FTFM     | 500         | 145                       | 2                         | 7,4 |
|                      | NERV. / SLOT.    | F900            | FN100FTFM (1) | 500         | 145                       | 2                         | 6,9 |

(1) Disponible avec système antidébordement (Voir la photographie à la page 8) / Also Available with non-flooding system (See photograph on page 8).

## SYSTÈME DE FIXATION / LOCKING SYSTEM



8 POINTS. 8 boulons par mètre linéaire avec capuchons de protection.

8 BOLT LOCKING SYSTEM. 8 screws with protection cap, per liner metre.

## AVALOIR ET ACCESSOIRES / SUMP UNITS AND ACCESSORIES TABLE



AF100

| CODE  | L.<br>(mm.) | H.<br>(mm.) | LARGEUR<br>WIDTH<br>(mm.) | SORTIE / OUTLET (mm.) |       | CORPS<br>SUMP UNITS | PANIER<br>BUCKET |
|-------|-------------|-------------|---------------------------|-----------------------|-------|---------------------|------------------|
|       |             |             |                           | LATERAL               | FRONT |                     |                  |
| AF100 | 500         | 580         | 154                       | 110/160               | 110   | 1                   | CF100            |

## OBTURATEURS / END CAPS



FERMÉ / CLOSED  
OUVERT / OPEN

| CANNEAU<br>CHANNEL | CODE                 | TYPE                            | Ø<br>(mm.) |
|--------------------|----------------------|---------------------------------|------------|
| F100K000R          | T100F00C             | FERMÉ / CLOSED                  | —          |
| F100K00R           | T100F00C<br>T100F00A | FERMÉ / CLOSED<br>OUVERT / OPEN | 110        |
| F100K10R           | T100F10C<br>T100F10A | FERMÉ / CLOSED<br>OUVERT / OPEN | 110        |
| F100K20R           | T100F20C<br>T100F20A | FERMÉ / CLOSED<br>OUVERT / OPEN | 110        |

## SABOT DE RACCORDEMENT STEP UNITS



CEF100

## PANIER GALVANISÉ STEEL BUCKET

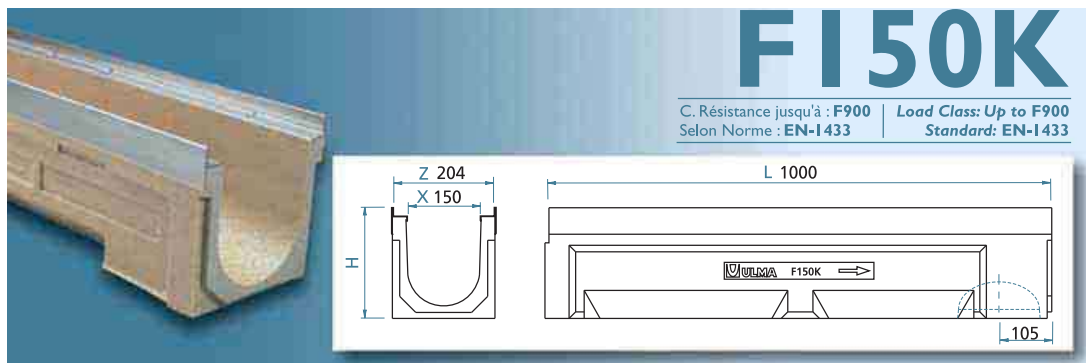


CF100



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C. Résistance jusqu'à : **F900** Load Class: **Up to F900**  
Selon Norme : **EN-1433** Standard: **EN-1433**

| CODE            | L (mm.)     | H (mm.)    | LARGEUR / WIDTH (mm.) |            | Ø SORTIE / OUTLET (mm.) |            | HYDRAUL. SECTION (cm <sup>2</sup> ) | KG.         | UNITES x PALETTE PCS x PALLET |
|-----------------|-------------|------------|-----------------------|------------|-------------------------|------------|-------------------------------------|-------------|-------------------------------|
|                 |             |            | Z                     | X          | VERT.                   | HORIZ.     |                                     |             |                               |
| <b>F150K00R</b> | <b>1000</b> | <b>220</b> | <b>204</b>            | <b>150</b> | <b>160</b>              | <b>110</b> | <b>230</b>                          | <b>30,0</b> | <b>45</b>                     |
| <b>F150K10R</b> | <b>1000</b> | <b>270</b> | <b>204</b>            | <b>150</b> | <b>160</b>              | <b>110</b> | <b>305</b>                          | <b>36,5</b> | <b>36</b>                     |
| <b>F150K20R</b> | <b>1000</b> | <b>320</b> | <b>204</b>            | <b>150</b> | <b>160</b>              | <b>160</b> | <b>345</b>                          | <b>41,5</b> | <b>27</b>                     |

## DESCRIPTIF TECHNIQUE

Caniveau en Béton polymère de type ULMA, modèle F150K, largeur extérieure 204mm, largeur intérieure 150mm, hauteurs extérieures disponibles de 220mm à 320mm, possibilité de pente en cascade, pour récupérer les eaux de pluie, en modules de 1 ML de longueur, feuillures en acier galvanisé\* pour protection latérale, fixation de sécurité par 8 points au ML, adapté pour les grilles suivantes :

\* Disponible avec cornières en fonte / **Also available with cast iron edges.**

## TECHNICAL DESCRIPTION

**Ulma Linear Drainage Channel type F150K: External width 204mm; Internal Width 150mm; Available with overall heights between 220mm and 320mm. Suitable for cascaded type slope to collect rain water in 1 metre long units. Safe locking system consists of eight bolts per ML; Integrated galvanised steel\* edges for lateral protection. Suitable for the following gratings:**

## GRILLES / GRATINGS

| NERVURÉE | FERMÉE | MATIERE MATERIAL | DESSIN DESIGN | RESIST. LOAD | CODE           | L (mm.) | LARGEUR WIDTH (mm.) | UNITES x ML UNITS x ML | KG.  |
|----------|--------|------------------|---------------|--------------|----------------|---------|---------------------|------------------------|------|
|          |        |                  | NERV. / SLOT. | D 400        | FNX150FTDM (I) | 500     | 195                 | 2                      | 6,4  |
|          |        |                  | NERV. / SLOT. | F 900        | FN150FTFM (I)  | 500     | 195                 | 2                      | 12,1 |
|          |        |                  | FER. / CLO.   | F 900        | FC150FTFM      | 500     | 195                 | 2                      | 12,9 |

(I) Disponible avec système antidébordement (Voir la photographie à la page 8) / **Also Available with non-flooding system (See photograph on page. 8).**

## SYSTÈME DE FIXATION / LOCKING SYSTEM



**8 POINTS.** 8 boulons par mètre linéaire avec capuchons de protection.

**8 BOLT LOCKING SYSTEM.** 8 screws with protection cap, per liner metre.

## ALVAIROIR ET ACCESSOIRES / SUMP UNITS AND ACCESSORIES TABLE

|  | CODE           | L (mm.) | H (mm.) | LARGEUR WIDTH (mm.) | SORTIE / OUTLET (mm.) |       | CORPS SUMP UNITS | PANIER BUCKET |
|--|----------------|---------|---------|---------------------|-----------------------|-------|------------------|---------------|
|  |                |         |         |                     | LATERAL               | FRONT |                  |               |
|  | AF150          | 500     | 350     | 204                 | 160                   | 110   | 1                | —             |
|  | AF150S + A150B | 500     | 655*    | 204                 | 160                   | 110   | 2                | C150          |

\* Possibilité d'augmenter la hauteur de l'avaloir en incorporant un élément intermédiaire  
\* **The Sump unit can be higher incorporating an intermediate unit.**

AF150



AF150S + A150B

## OBTURATEURS / END CAPS

|  | CANIVEAU CHANNEL | CODE     | TYPE           | Ø (mm.) |
|--|------------------|----------|----------------|---------|
|  | FERMÉ / CLOSED   | T150K00C | FERMÉ / CLOSED | —       |
|  |                  | T150K00A | OUVERT / OPEN  | 160     |
|  | OUVERT / OPEN    | T150K10C | FERMÉ / CLOSED | —       |
|  |                  | T150K10A | OUVERT / OPEN  | 160     |
|  | OUVERT / OPEN    | T150K20C | FERMÉ / CLOSED | —       |
|  |                  | T150K20A | OUVERT / OPEN  | 160     |

## SABOT DE RACCORDEMENT STEP UNITS



CE150

PANIER GALVANISÉ STEEL BUCKET

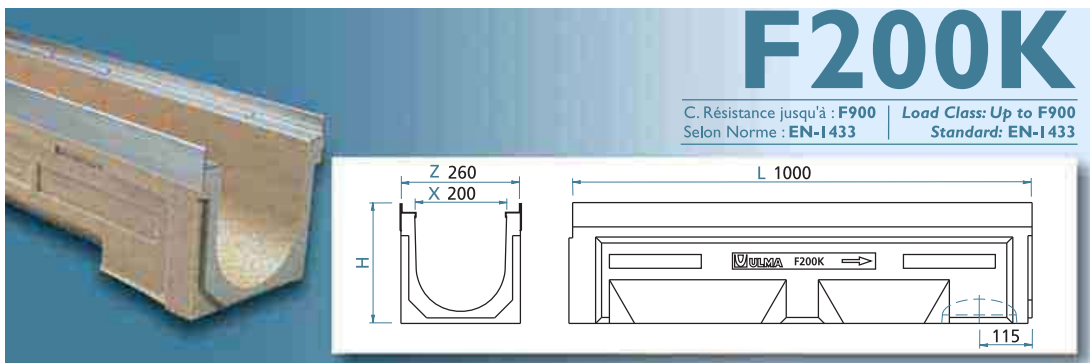


C150

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| CODE     | L<br>(mm.) | H<br>(mm.) | LARGEUR / WIDTH (mm.) |     | Ø SORTIE / OUTLET (mm.) |        | HYDRAUL.<br>SECTION<br>(cm <sup>2</sup> ) | KG.  | UNITES x PALETTE<br>PCS x PALLET |
|----------|------------|------------|-----------------------|-----|-------------------------|--------|-------------------------------------------|------|----------------------------------|
|          |            |            | Z                     | X   | VERT.                   | HORIZ. |                                           |      |                                  |
| F200K00R | 1000       | 263        | 260                   | 200 | 200                     | 160    | 374                                       | 42,0 | 28                               |
| F200K10R | 1000       | 313        | 260                   | 200 | 200                     | 160    | 473                                       | 49,0 | 28                               |
| F200K20R | 1000       | 363        | 260                   | 200 | 200                     | 160    | 571                                       | 54,5 | 21                               |

## DESCRIPTIF TECHNIQUE

Caniveau en Béton polymère de type ULMA, modèle F200K, largeur extérieure 260mm, largeur intérieure 200mm, hauteurs extérieures disponibles de 263mm à 363mm, possibilité de pente en cascade, pour récupérer les eaux de pluie, en modules de 1 ML de longueur, feuillures en acier galvanisé\* pour protection latérale, fixation de sécurité par 8 points au ML, adapté pour les grilles suivantes :

\* Disponible avec cornières en fonte / Also available with cast iron edges.

## TECHNICAL DESCRIPTION

Ulma Linear Drainage Channel type F200K: External width 260mm; Internal Width 200mm; Available with overall heights between 263mm and 363mm. Suitable for cascaded type slope to collect rain water in 1 metre long units. Safe locking system consists of eight bolts per ML; Integrated galvanised steel\* edges for lateral protection. Suitable for the following gratings:

## GRILLES / GRATINGS

| NERVURÉE<br>SLOTTED | FERMÉE<br>CLOSED | MATIERE<br>MATERIAL  | DESSIN<br>DESIGN | RESIST.<br>LOAD | CODE          | L.<br>(mm.) | LARGEUR<br>WIDTH<br>(mm.) | UNITES x ML<br>UNITS x ML | KG.  |
|---------------------|------------------|----------------------|------------------|-----------------|---------------|-------------|---------------------------|---------------------------|------|
|                     |                  | FONTE<br>DUCTIL IRON | NERV. / SLOT.    | D 400           | FNX200FTDM(I) | 500         | 251                       | 2                         | 9,7  |
|                     |                  |                      | NERV. / SLOT.    | F 900           | FN200FTFM(I)  | 500         | 251                       | 2                         | 13,0 |
|                     |                  |                      | FER. / CLO.      | F 900           | FC200FTFM     | 500         | 251                       | 2                         | 14,5 |

(I) Disponible avec système antidébordement (Voir la photographie à la page 8) / Also Available with non-flooding system (See photograph on page. 8).

## SYSTÈME DE FIXATION / LOCKING SYSTEM



8 POINTS. 8 boulons par mètre linéaire avec capuchons de protection.

8 BOLT LOCKING SYSTEM. 8 screws with protection cap, per liner metre.

## AVALOIR ET ACCESSOIRES / SUMP UNITS AND ACCESSORIES TABLE

| CODE           | L.<br>(mm.) | H.<br>(mm.) | LARGEUR<br>WIDTH<br>(mm.) | SORTIE / OUTLET (mm.) |       | CORPS<br>SUMP UNITS | PANIER<br>BUCKET |
|----------------|-------------|-------------|---------------------------|-----------------------|-------|---------------------|------------------|
|                |             |             |                           | LATERAL               | FRONT |                     |                  |
| AF200          | 500         | 363         | 260                       | 160/200               | —     | 1                   | —                |
| AF200S + A200B | 500         | 705*        | 260                       | 160/200               | —     | 2                   | C200             |

\* Possibilité d'augmenter la hauteur de l'avaloir en incorporant un élément intermédiaire  
\* The Sump unit can be higher incorporating an intermediate unit.



AF200



AF200S + A200B

## OBTURATEURS / END CAPS

|  | CANIVEAU<br>CHANNEL | CODE                 | TYPE                        | Ø<br>(mm.) |
|-------------------------------------------------------------------------------------|---------------------|----------------------|-----------------------------|------------|
| FERMÉ / CLOSED                                                                      | F200K00R            | T200K00C<br>T200K00A | FERMÉ/CLOSED<br>OUVERT/OPEN | —<br>200   |
|                                                                                     | F200K10R            | T200K10C<br>T200K10A | FERMÉ/CLOSED<br>OUVERT/OPEN | —<br>200   |
|  | F200K20R            | T200K20C<br>T200K20A | FERMÉ/CLOSED<br>OUVERT/OPEN | —<br>200   |
|                                                                                     | OUVERT / OPEN       |                      |                             |            |

## SABOT DE RACCORDEMENT STEP UNITS



CE200

## PANIER GALVANISÉ STEEL BUCKET

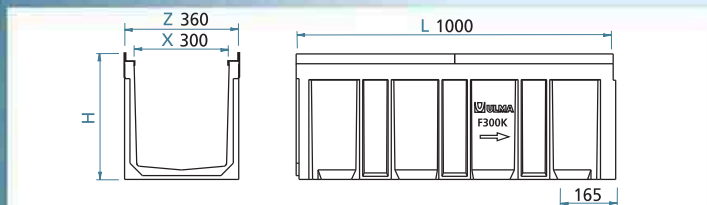


C200



## F300K

C. Résistance jusqu'à : **F900** Load Class: **Up to F900**  
Selon Norme : **EN-1433** Standard: **EN-1433**



| CODE     | L<br>(mm.) | H<br>(mm.) | LARGEUR / WIDTH (mm.) |     | Ø SORTIE / OUTLET (mm.) |        | HYDRAUL<br>SECTION<br>(cm²) | KG.  | UNITES x PALETTE<br>PCS x PALLET |
|----------|------------|------------|-----------------------|-----|-------------------------|--------|-----------------------------|------|----------------------------------|
|          |            |            | Z                     | X   | VERT.                   | HORIZ. |                             |      |                                  |
| F300K00R | 1000       | 390        | 360                   | 300 | 250                     | —      | 975                         | 60,0 | 15                               |
| F300K10R | 1000       | 440        | 360                   | 300 | 250                     | —      | 1110                        | 70,4 | 10                               |
| F300K20R | 1000       | 490        | 360                   | 300 | 250                     | —      | 1255                        | 75,7 | 10                               |
| F300K60R | 1000       | 600        | 360                   | 300 | —                       | —      | 1525                        | 91,0 | 10                               |

### DESCRIPTIF TECHNIQUE

Caniveau en Béton polymère de type ULMA, modèle F300K, largeur extérieure 360mm, largeur intérieure 300mm, hauteurs extérieures disponibles de 390mm à 600mm, possibilité de pente en cascade, pour récupérer les eaux de pluie, en modules de 1 ML de longueur, feuillures en acier galvanisé\* pour protection latérale, fixation de sécurité par 8 points au ML, adapté pour les grilles suivantes :

\* Disponible avec cornières en fonte / Also available with cast iron edges.

### TECHNICAL DESCRIPTION

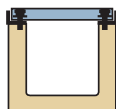
Ulma Linear Drainage Channel type F300K: External width 360mm; Internal Width 300mm; Available with overall heights between 390mm and 600mm. Suitable for cascaded type slope to collect rain water in 1 meter long units. Safe locking system consists of eight bolts per ML; Integrated galvanised steel\* edges for lateral protection. Suitable for the following gratings:

### GRILLES / GRATINGS

| NERVURÉE<br>SLOTTED | FERMÉE<br>CLOSED | MATIERE<br>MATERIAL | DESSIN<br>DESIGN | RESIST.<br>LOAD | CODE          | L.<br>(mm.) | LARGEUR<br>WIDTH<br>(mm.) | UNITES x ML<br>UNITS x ML | KG.  |
|---------------------|------------------|---------------------|------------------|-----------------|---------------|-------------|---------------------------|---------------------------|------|
|                     |                  |                     |                  |                 |               |             |                           |                           |      |
|                     |                  |                     | NERV. / SLOT.    | D 400           | FN300FTDM (I) | 500         | 351                       | 2                         | 14,4 |
|                     |                  |                     | NERV. / SLOT.    | F 900           | FN300FTFM (I) | 500         | 351                       | 2                         | 25,2 |
|                     |                  |                     | FER. / CLO.      | F 900           | FC300FTFM     | 500         | 351                       | 2                         | 27,5 |

(I) Disponible avec système antidébordement (Voir la photographie à la page 8) / Also Available with non-flooding system (See photograph on page. 8).

### SYSTÈME DE FIXATION / LOCKING SYSTEM



8 POINTS. 8 boulons par mètre linéaire avec capuchons de protection.

8 BOLT LOCKING SYSTEM. 8 screws with protection cap, per liner metre.

### AVALOIR ET ACCESSOIRES / SUMP UNITS AND ACCESSORIES TABLE



AF300

| CODE           | L.<br>(mm.) | H.<br>(mm.) | LARGEUR<br>WIDTH<br>(mm.) | SORTIE / OUTLET (mm.) |       | CORPS<br>SUMP UNITS | PANIER<br>BUCKET |
|----------------|-------------|-------------|---------------------------|-----------------------|-------|---------------------|------------------|
|                |             |             |                           | LATERAL               | FRONT |                     |                  |
| AF300          | 500         | 390         | 360                       | 200                   | —     | 1                   | —                |
| AF300S + A300B | 500         | 730*        | 360                       | 200                   | —     | 2                   | C300             |

\* Possibilité d'augmenter la hauteur de l'avaloir en incorporant un élément intermédiaire  
\* The Sump unit can be higher incorporating an intermediate unit.



AF300S + A300B

### OBTURATEURS / END CAPS

|                | CANIVEAU<br>CHANNEL | CODE     | TYPE           | Ø<br>(mm.) |
|----------------|---------------------|----------|----------------|------------|
|                |                     |          |                |            |
| FERMÉ / CLOSED | F300K00R            | T300K00C | FERMÉ / CLOSED | —          |
|                |                     | T300K00A | OUVERT / OPEN  | 300        |
|                | F300K10R            | T300K10C | FERMÉ / CLOSED | —          |
|                |                     | T300K10A | OUVERT / OPEN  | 300        |
| OUVERT / OPEN  | F300K20R            | T300K20C | FERMÉ / CLOSED | —          |
|                |                     | T300K20A | OUVERT / OPEN  | 300        |

### SABOT DE RACCORDEMENT STEP UNITS



CEF300

### PANIER GALVANISÉ STEEL BUCKET



CF300