CP3 stop gate

Stop gate made of stainless steel

Opening dimensions 150 x 150 mm to 600 x 600 mm

Pressure stage corresponds to the plate height

Optional ex-protection: On request, the penstock can be proven to comply with the ATEX Directive 2014/34/EU

A valid welding certificate of at least execution class EXC3 according to DIN EN 1090-2, from the manufacturer must be attached to the offer.

Penstock with rectangular opening, three-sided seal with the following design characteristics:

Frame and plate

* Supplied as pre-assembled penstock which does not require assembly, setting and adjusting works.
* Handle protrudes 100 mm above the plate

Optional extension: \_\_\_\_\_\_\_\_\_\_\_ mm

* Slim construction design (width = masonry opening + 165 mm)
* Welded frame and penstock made of stainless steel, optimised for maximum safety and durability by means of FEM certification
* Penstock with stiffening ribs according to structural requirements: The result of the FEM verification of the penstock must be submitted.
* All welded parts with perfect corrosion protection from our own pickling line
* No crack in the base of the embedded penstock
* Penstock for embedding in concrete: Equipped with setting sleeve for aligning the penstock in the channel recess
* Seal can be exchanged

**Material:** SS 304 / SS 316L (not applicable, please delete)

Seal

* Movable, positioned seal support,seal clipped with stainless steel and pre-tensioned for two-sided pressure absorption
* Profile seal with BÜSCH UNO corner connections (minimum temperature: 180°C) made from wastewater and UV resistant EPDM or oil-resistant NBR
* Factory pre-assembled seal against the wall made of solid, wastewater resistant cellular rubber on the seal support in the design for dowel fixing.
* Seal line 44 mm larger than the masonry opening to prevent leaks on masonry spalling

**Leak tightness class**

* **Leak rate according to DIN EN 19569, Part 4, Table 1:**
  + Pressure on front side: 0.1 to 0.3 l/s/m (leak tightness class **2**)
  + Pressure on rear side: 0.3 to 1.0 l/s/m (leak tightness class **1**)
* **CP3 stop gate leak rate:**
  + Pressure on front side: maximum 1 % from 0.1 to 0.3 l/s/m (leak tightness class **2**)
  + Pressure on rear side: maximum 5 % from 0.1 to 0.3 l/s/m (leak tightness class **2**)

Prerequisites for wall properties:

The concrete quality must at least correspond to strength class C25 according to DIN 1045 / DIN 1084. The dimensional tolerances according to DIN EN 18202 must be observed.

**Penstock must be demonstrably tested on leak test bench at factory (unless frame is set in concrete or screwed into channel)**

**Type of assembly for penstock**

Lateral fixing

* Concreted into recess
* Dowelling to the wall in front of the opening

Fastening in the base

* Concreted into recess
* Dowelling to the wall in front of the opening

(Delete as applicable)

**Penstock designed for:**

Sewer width: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

Sewer depth: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

Plate height: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

Lift: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

Operating height above upper edge of operating corridor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

Maximum operating pressure on the front side: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mwc

Maximum operating pressure on the rear side: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mwc

Can be utilised with BÜSCH drive unit package \_\_\_\_\_\_\_\_\_ (2 to 25), refer to Position: \_\_\_\_\_ LV-No.: \_\_\_\_\_\_

**Scope of supply**

Penstock complete with all necessary fastening elements (dowels (stainless steel A4) and sealing material).

Optional: Certificate of compliance with DIN EN 10204, 2.1, with indication of leakage rate according to DIN 19569, Part 4

BÜSCH CP3 stop gate

or equivalent

**Manufacturer:** BÜSCH Armaturen Geyer GmbH

Industriestraße 1

09468 Geyer

Germany

[**www.buesch.com**](http://www.buesch.com/)

Unit ........... EURO/Unit ............ EURO/Position ...........