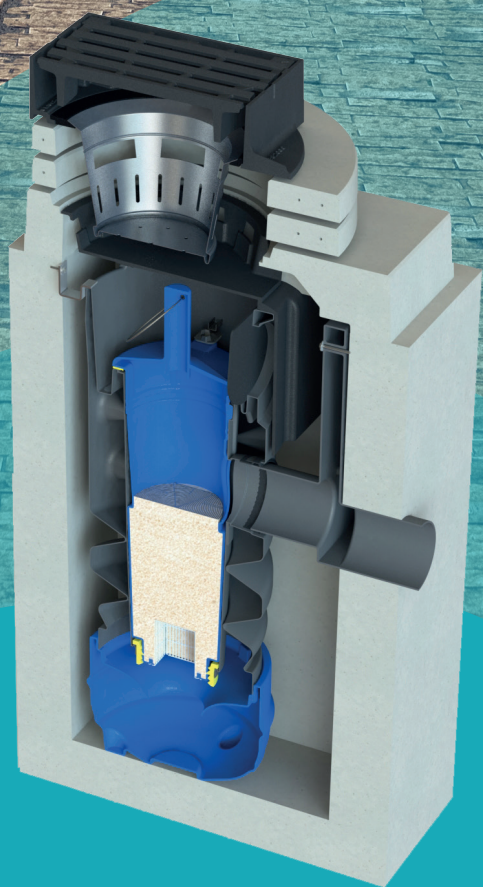




3P Technik Filtersysteme GmbH



BUDAVINCI

SOURCE CONTROL TREATMENT
COMPACT VORTEX SEPARATION
AND FILTRATION

BUDAVINCI

The Budavinci redefines stormwater treatment at the inlet by combining a hydrodynamic separator and a high-performance filter within a standard catch basin structure. It fits directly into road or curb inlets, requiring no additional space — making it ideal for dense urban environments or retrofit applications.

WATER IS TREATED IN TWO STAGES:

- 1. Hydrodynamic separation to settle solids
- 2. Filtration — designed for the pollutants that don't settle out

THE SYSTEM REMOVES:

- Screening – trash and debris
- Separation – coarse sediments
- Filtration – fine particulates, metals and nutrients, tire wear microplastics

Available with multiple cartridge options, Budavinci is built to handle runoff from heavily trafficked surfaces, and discharge clean water to storm sewers or infiltration systems.

Real Treatment, Hidden in Plain Sight
Vortex separation and filtration inside the inlet.

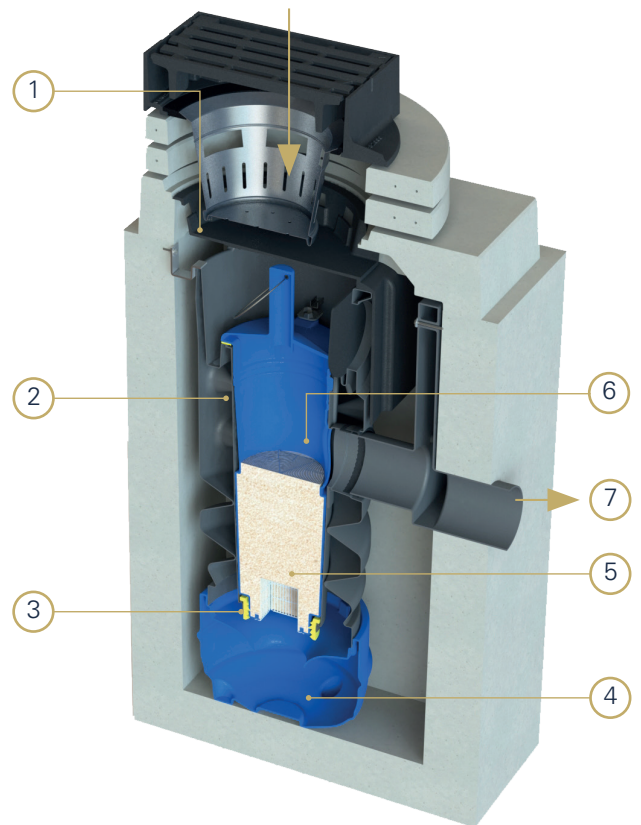


BUDAVINCI OPERATION

Two-Stage Treatment in a Compact Inlet Design

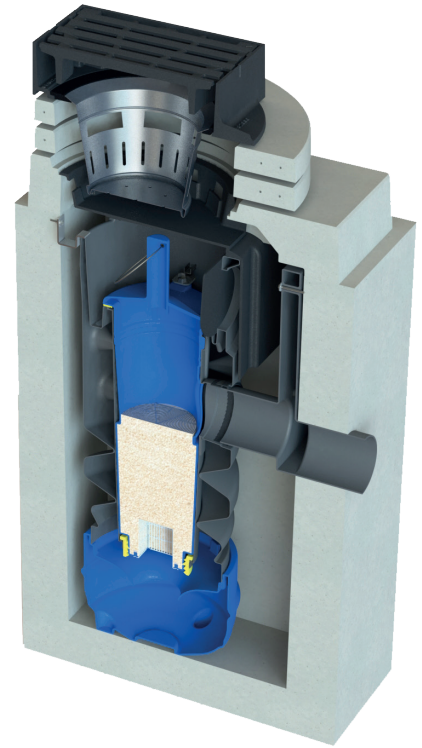
1. INLET
Stormwater enters through a road or curb grate
2. FLOW CHANNELING
Water is directed into a dual-channel separator
3. HYDRODYNAMIC SEPARATION
Radial flow creates a vortex that drops out solids
4. SLUDGE TRAP
Settled solids are retained in a chamber beneath the unit
5. FILTRATION
Pre-treated water flows upward through a filter cartridge
6. CARTRIDGE MAINTENANCE
Easily removed and replaced from the surface
7. DISCHARGE
Cleaned water exits to a storm sewer or infiltration system

VIDEO
OPERATING
PRINCIPLE



KEY BENEFITS

- ✓ **At-source pollutant removal**
installed directly in standard catch basin inlets (rectangular or round)
- ✓ **Two-stage treatment**
combines hydrodynamic separation and filtration in one unit
- ✓ **Design Simplicity**
Converts any inlet into a treatment system
- ✓ **Easy Installation**
connects to storm sewers or infiltration systems
- ✓ **Trusted filter media**
proven media from 3P's Hydrosystem Filters
- ✓ **Sludge storage**
built-in trap retains sediment for easy vacuum removal
- ✓ **Maintenance Friendly**
Surface-level inspection and replacement of parts



APPLICATIONS

- ✓ City streets and urban roadways
- ✓ Parking lots and commercial sites
- ✓ High-traffic intersections and industrial zones
- ✓ Redevelopment and green infrastructure retrofits
- ✓ DOT and municipal stormwater systems

MAINTENANCE

- ✓ Sludge trap: vacuumed out per site needs
- ✓ Easy filter cartridge replacement with Confined-Space Entry
- ✓ No confined space entry required

3P Technik Filtersysteme GmbH

Robert-Bosch-Straße 16-18
73337 Bad Überkingen
Germany

T +49 (0) 7334-92460-0

