

**IS YOUR HOUSE WELL-PROTECTED?  
HAVE YOU INSTALLED A NON-RETURN VALVE?**



**NON-RETURN VALVE**



**YOUR CAR IS PROTECTED THROUGH:**

- third-party insurance
- comprehensive car insurance
- ABS
- airbags

**WHAT ABOUT  
YOUR HOUSE?**

## DOUBLE FLAP NON-RETURN VALVES



**TYPE2**  
Ø110  
9-5020-110-00-03-11



**TYPE2**  
Ø125  
9-5020-125-00-03-11



**TYPE2**  
Ø160  
9-5020-160-00-03-11



**TYPE2**  
Ø200  
9-5020-200-00-03-11

## SINGLE FLAP NON-RETURN VALVES



**TYPE4**  
Ø50  
9-5010-050-00-03-03



**TYPE1**  
Ø50  
9-5000-050-00-03-03



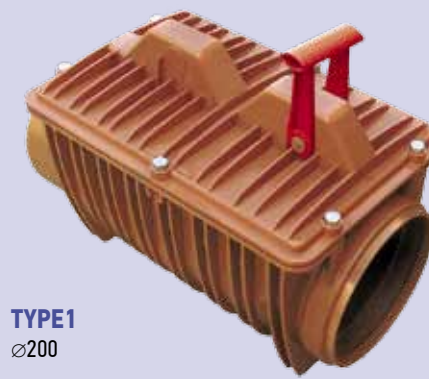
**TYPE1**  
Ø110  
9-5000-110-00-03-11



**TYPE1**  
Ø125  
9-5000-125-00-03-11



**TYPE1**  
Ø160  
9-5000-160-00-03-11



**TYPE1**  
Ø200  
9-5000-200-00-03-11

**Capricorn**<sup>®</sup>

WE CONSTANTLY IMPROVE THE QUALITY OF OUR SERVICES



Sanitary system

# YOUR HOUSE IN YOUR HANDS



# NON-RETURN VALVES



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# GENERAL INFORMATION



## HOW DOES USING A NON-RETURN VALVE PROTECT YOUR HOUSE?

Heavy rains are very common these days and they often exceed the capacity of storm drains. Overloaded street drains and storm drains fill up with water up to the highest point – the ground level – and all sites and rooms that are located below that level and are not properly protected from water, become flooded. Capricorn non-return valve prevent flooding and they also help preventing\* access of rodents to houses through sewage pipes.

We advise you protect yourself from flooding and minimize the risk of backwater effect\*\* by installing double or single flap non-return valves. Capricorn offers valves in a full range of sizes, from Ø 50 to Ø 200.

\*) Capricorn does not give 100% guarantee of protection against access of rodents to houses.  
\*\*) "Backwater" means back flow of fluids due to a blockage in the sewer.

| LEVEL OF PROTECTION – COMPARISON | SINGLE FLAP NON-RETURN VALVE | DOUBLE FLAP NON-RETURN VALVE |
|----------------------------------|------------------------------|------------------------------|
| PROTECTION AGAINST RODENTS       | ★ ★                          | ★ ★ ★ ★ ★                    |
| BACKWATER PREVENTION             | ★ ★                          | ★ ★ ★ ★ ★                    |
| ODOUR PREVENTION                 | ★ ★                          | ★ ★ ★ ★ ★                    |
| PROFITABLE PRODUCT               | ★ ★ ★ ★ ★                    | ★ ★ ★ ★ ★                    |

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# SINGLE FLAP NON-RETURN VALVE

## PROTECTION AGAINST RAINWATER:

Single flap valves prevent backwater and it is used for draining greywater.

## ADDITIONAL PROTECTION:

Back block regulated manually – available in Capricorn non-return valve free of charge – very useful during long holidays outside the house or during extensive redecoration.



Free flow



Blocked flap – backwater protection



Protection against rodents

## ADVANTAGES OF INSTALLING NON-RETURN VALVE:

- **Reduced risk of rodents entering the house:**  
Anti-flooding flaps made of stainless steel – available in all Capricorn non-return valves free of charge
- **Odour prevention:**  
When the sanitary system is not used, during holiday leaves or when there is a risk of traps of sanitary devices drying out
- **Guarantee of security:**  
Capricorn backwater valves have been extensively tested for safety and they conform to PN EN 13564 standard
- **Legal security – does not relieve insurance companies of liability:**  
Some insurance companies use disclaimers to deny coverage in case of flooding resulting from not using ant-flooding devices. They render not using anti-flooding devices a mistake of the insured, which relieves the insurer from liability. Using Capricorn non-return valves helps to avoid such situations, so we advise installing Capricorn non-return valve in your sanitary system
- **Thermal stability and chemical inertness:**  
Capricorn DUO PROTECT non-return valve is made of high-quality ABS material, which guarantees thermal stability and chemical resistance to various substances in sewage sludge

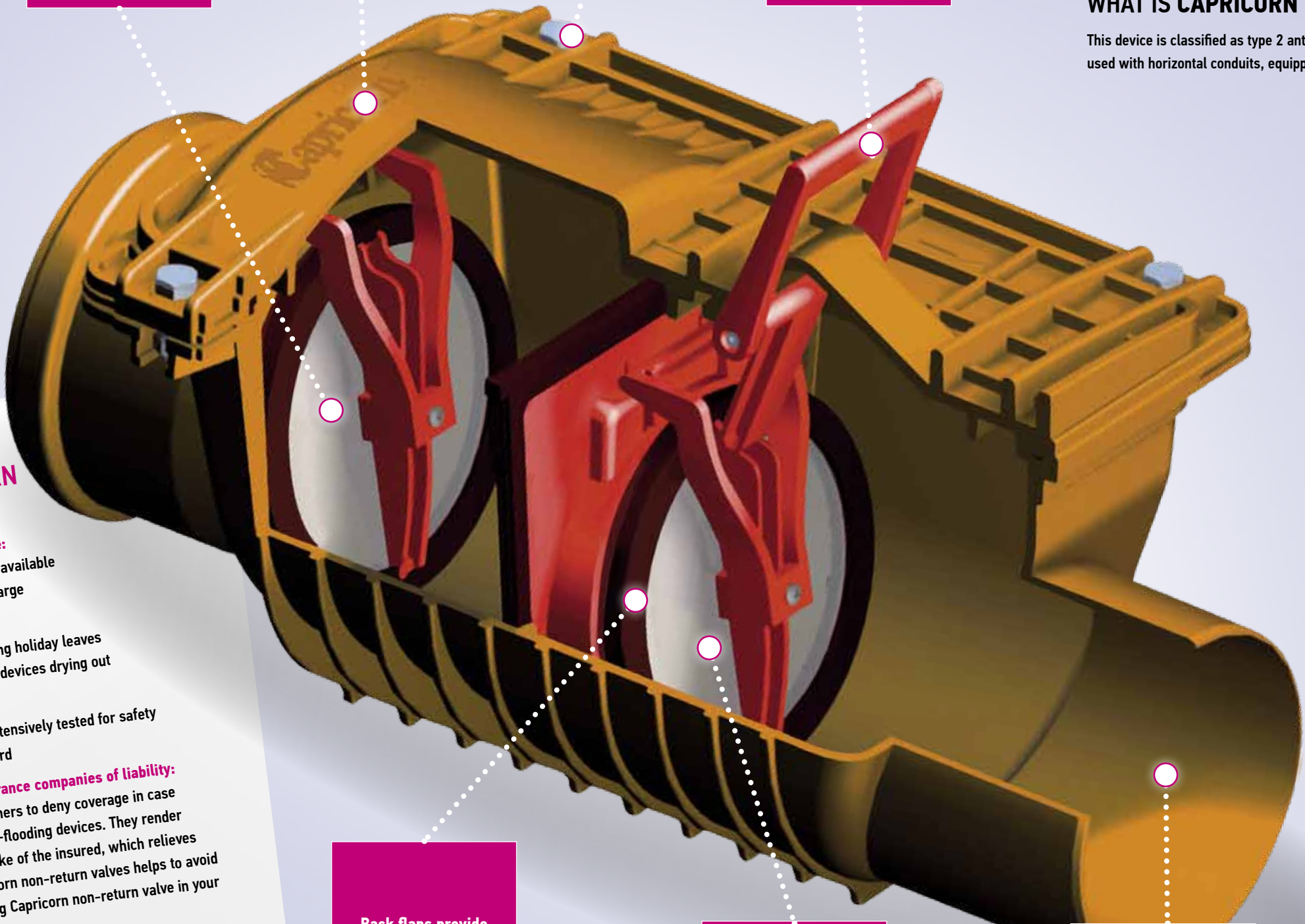


The second flap in the Duo Protect system guarantees doubled security

Regular maintenance is the key to correct operation of the valve – remember to have an inspection at least twice a year!

Screws made of high-quality stainless steel

While leaving the house for long or for redecoration period, use the manual block to block the valve



Back flaps provide odour prevention

Flap made of stainless steel grants additional protection from rodents and extends the operational life of the locking mechanism

Reinforced structure guarantees rigidity and durability of Capricorn non-return valve

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# DOUBLE FLAP NON-RETURN VALVE



## Duo Protect system guarantees double protection

## WHAT IS CAPRICORN DUO PROTECT NON-RETURN VALVE?

This device is classified as type 2 anti-flooding device pursuant to the European standard 13564. Type 2 valves are anti-flooding devices used with horizontal conduits, equipped with two automatic locking mechanisms and one emergency (manual) locking mechanism.

## WHY IS IT WORTH USING CAPRICORN DUO PROTECT VALVE?

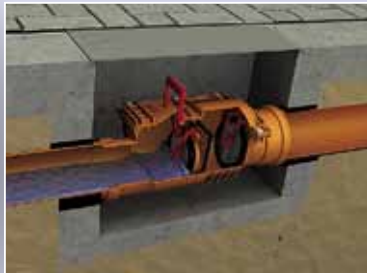
When facing back flow of sewage, CAPRICORN DUO PROTECT non-return valve automatically blocks the flow of water through the first flap. In case the first flap is not completely shut (waste may block the flap) or its gasket is damaged (possibly as a result of rodents chewing through), the second flap automatically blocks the flow, thus preventing the rooms located below from flooding. After the backwater recedes, free flow of sewage is automatically restored.

## BENEFITS:

- **Double protection against rainwater:**  
CAPRICORN DUO PROTECT is a double system used for preventing back flow of black sewage\*\*\* containing faeces.
- **Additional protection:**  
Back block used in CAPRICORN DUO PROTECT backwater flow allows manual locking of one valve flap for the period of not using the home sanitary system (e.g. during holiday leave or period of redecoration works).



Free flow



Blocked flap – double backwater protection



Protection against rodents

\*\*\* Applicable to certain EU member states in accordance with PN EN 13564 standard, Appendix A.