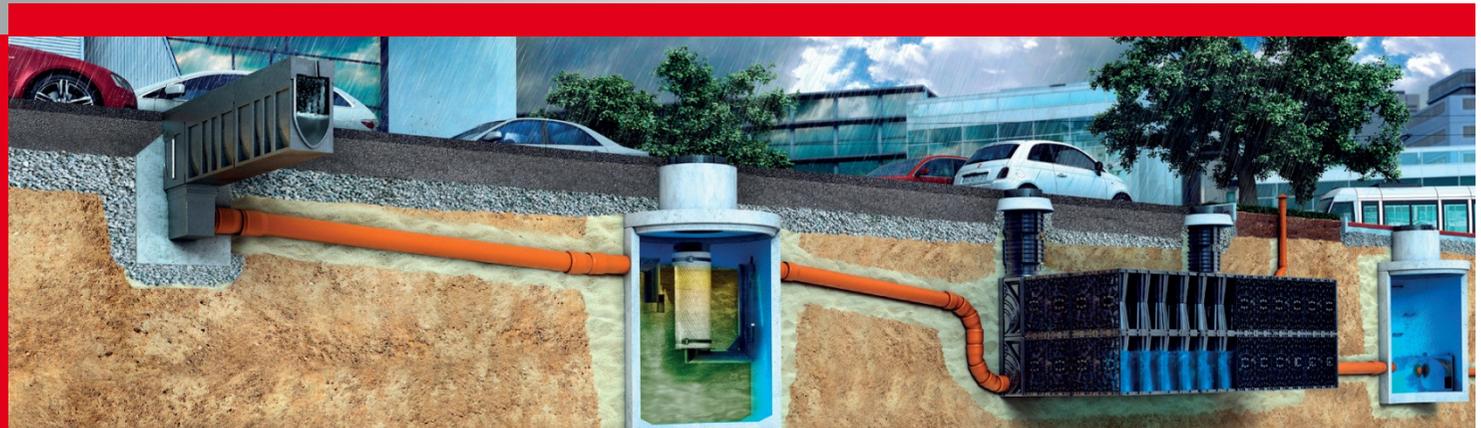




ACO Visokogradnja

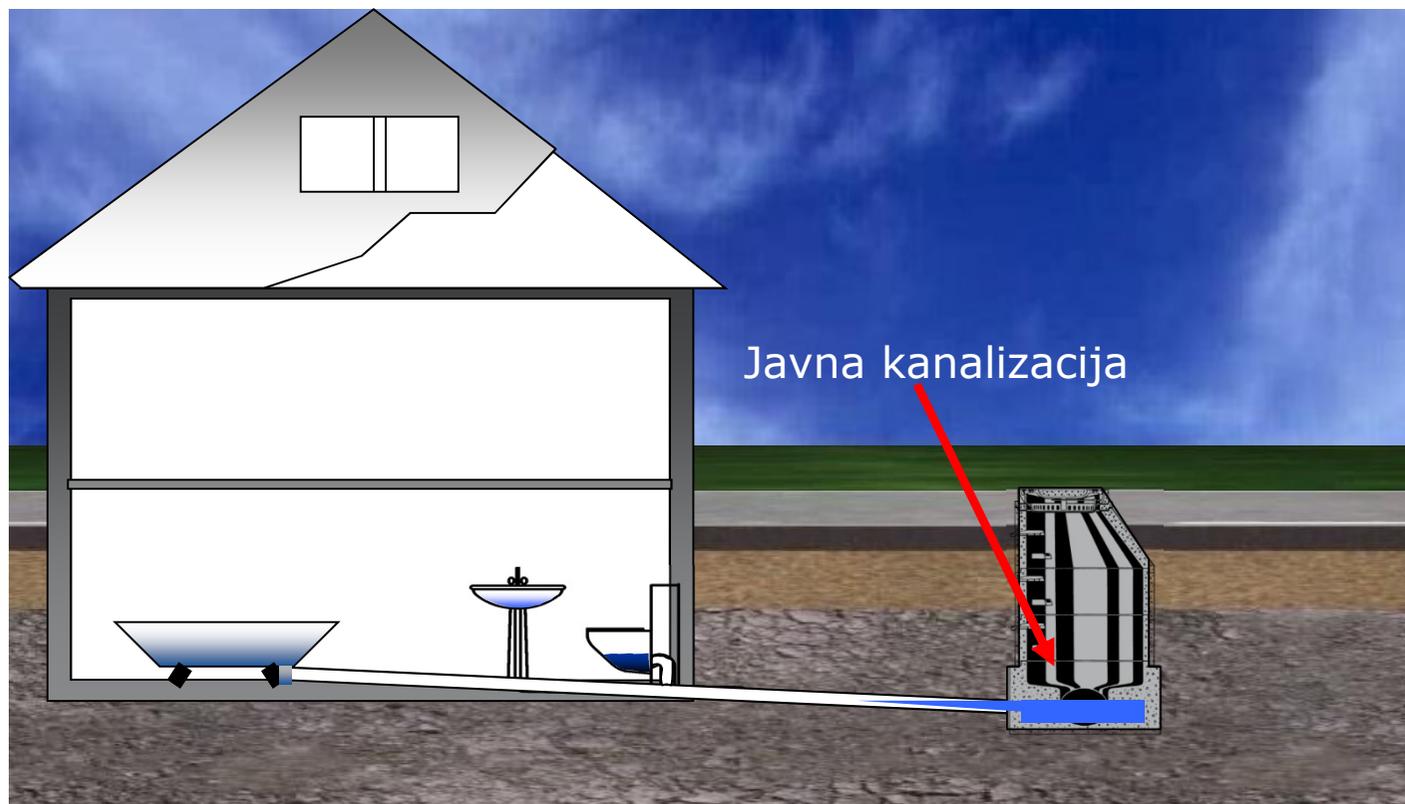


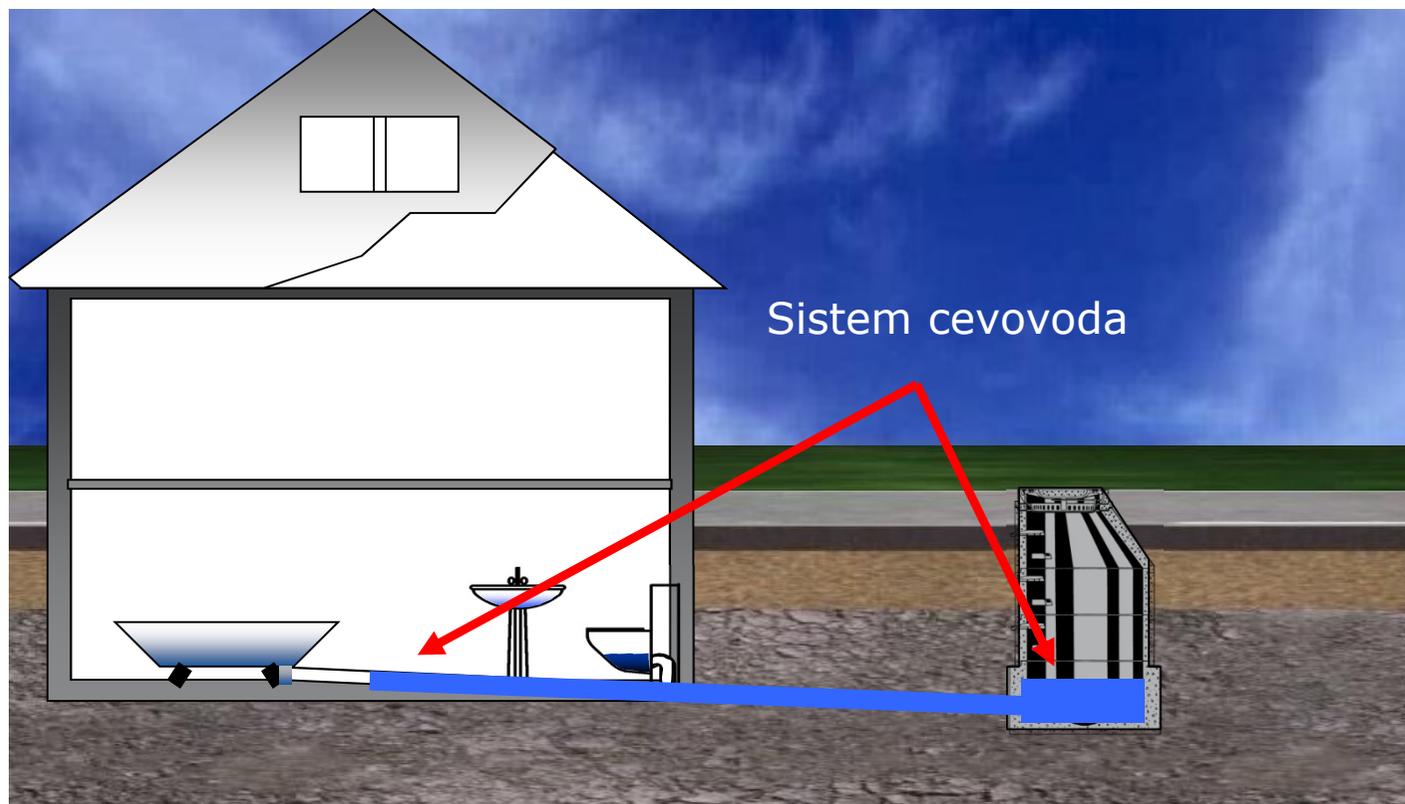
ACO visokogradnja Protiv povratni sistemi

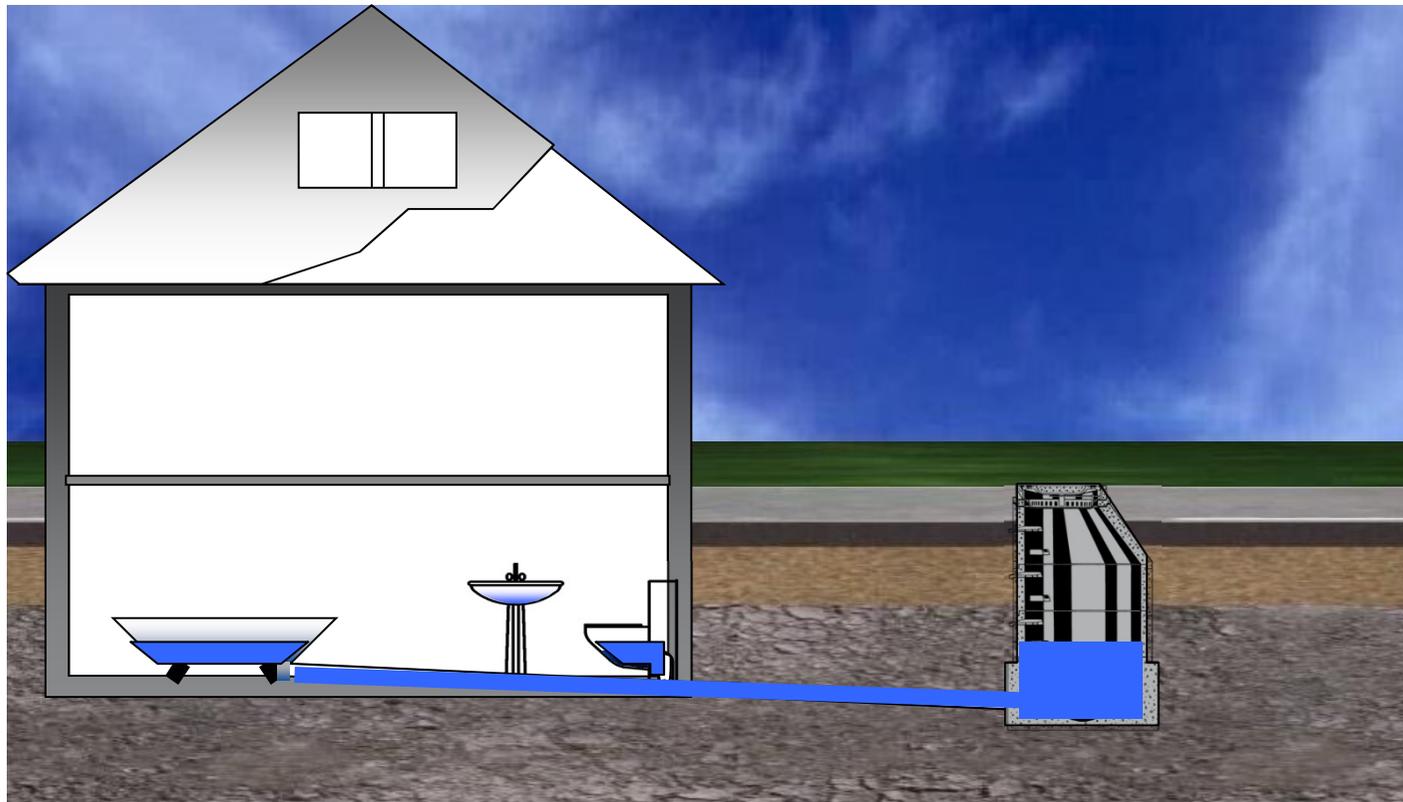
Srđan Tomić, Market Segment Manager
Beograd, 12 Jun 2014

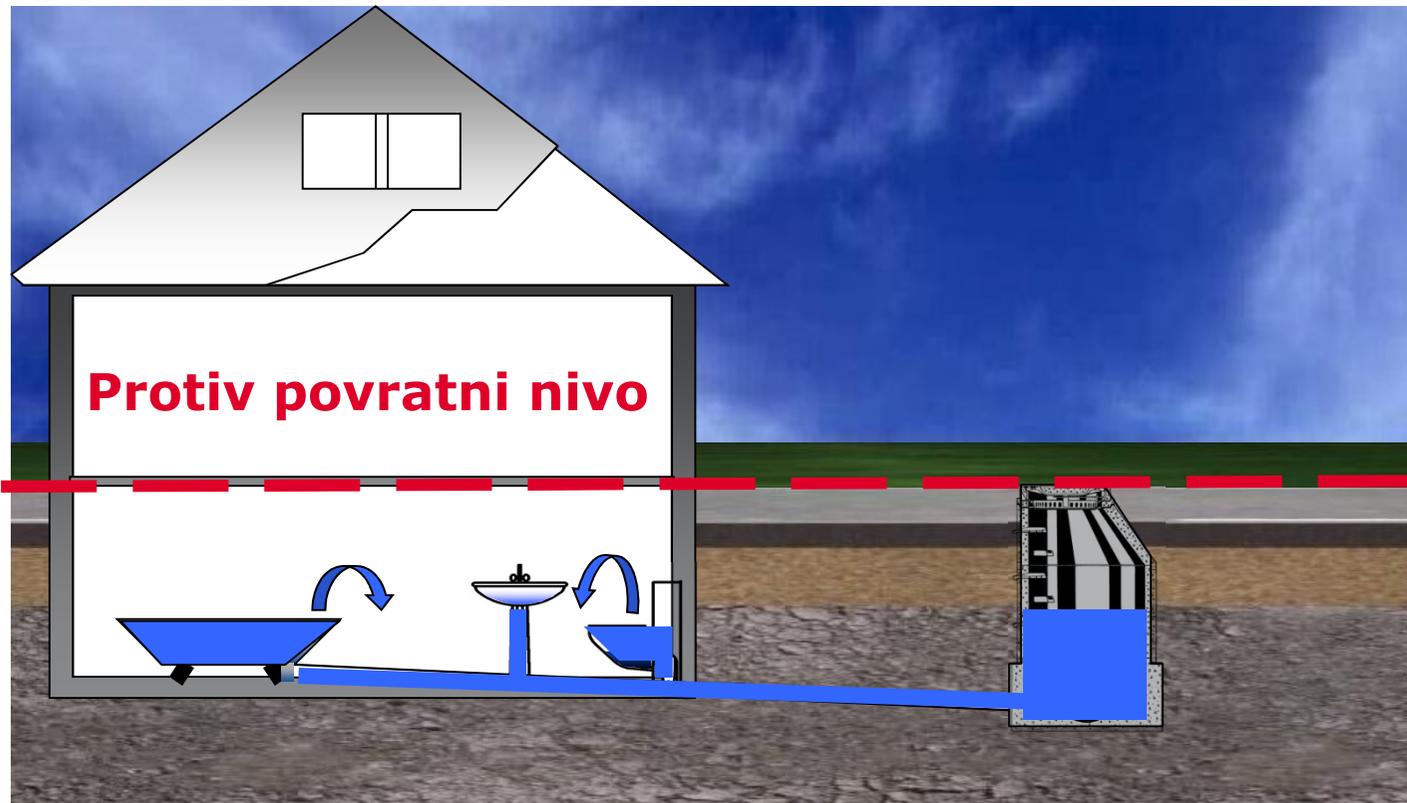


Šta je povratni tok?











Rezeptat...

ACO



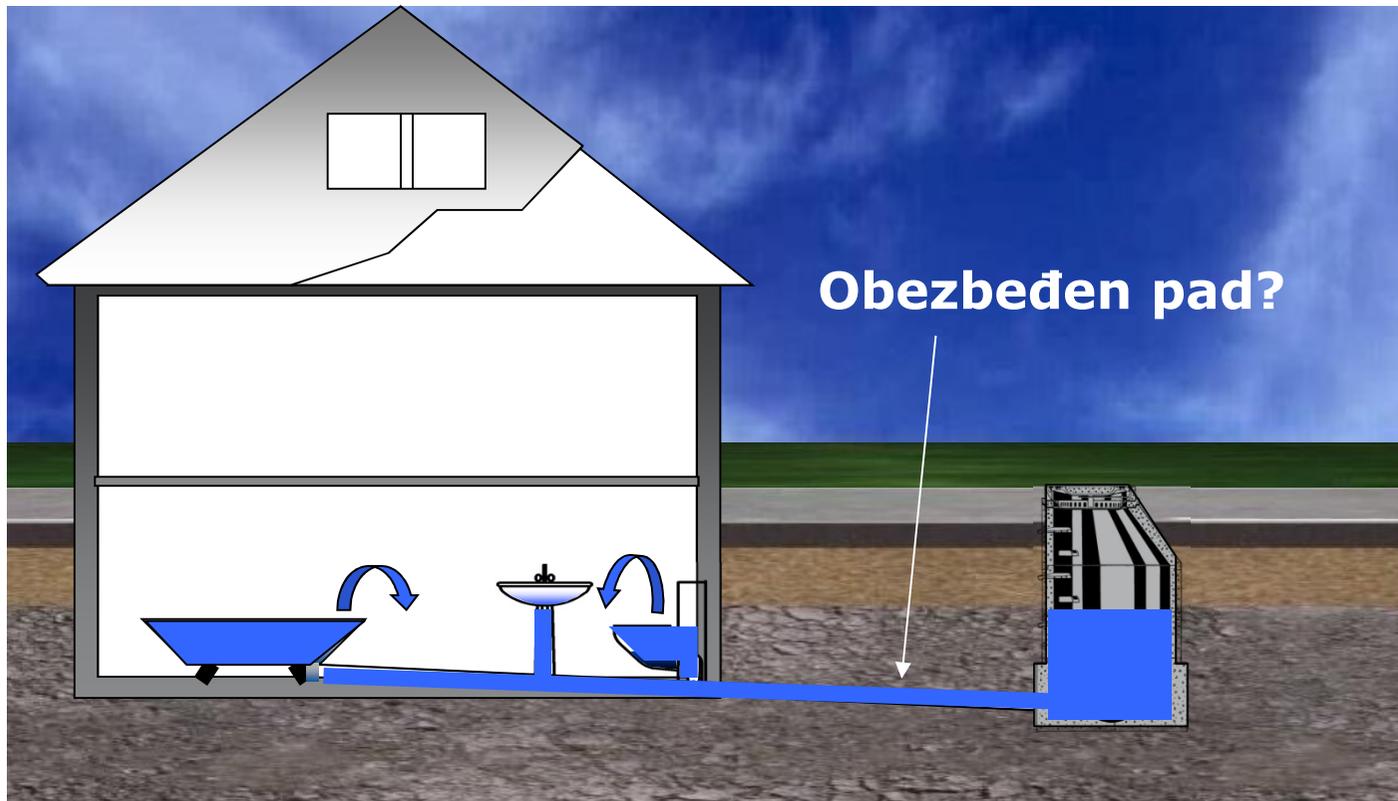


Kada je protiv povratna zaštita neophodna?

Kada postoje toaleti, slivnici i tuševi u podrumu

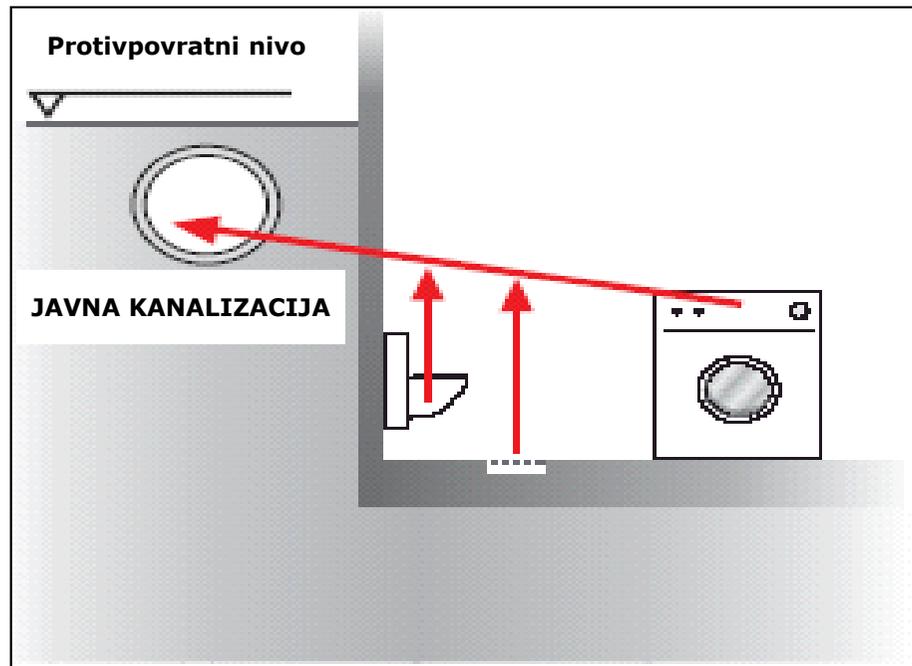


Vrsta protiv povratne prevencije





Slučaj #1 : Bez pada od podruma do javne kanalizacije

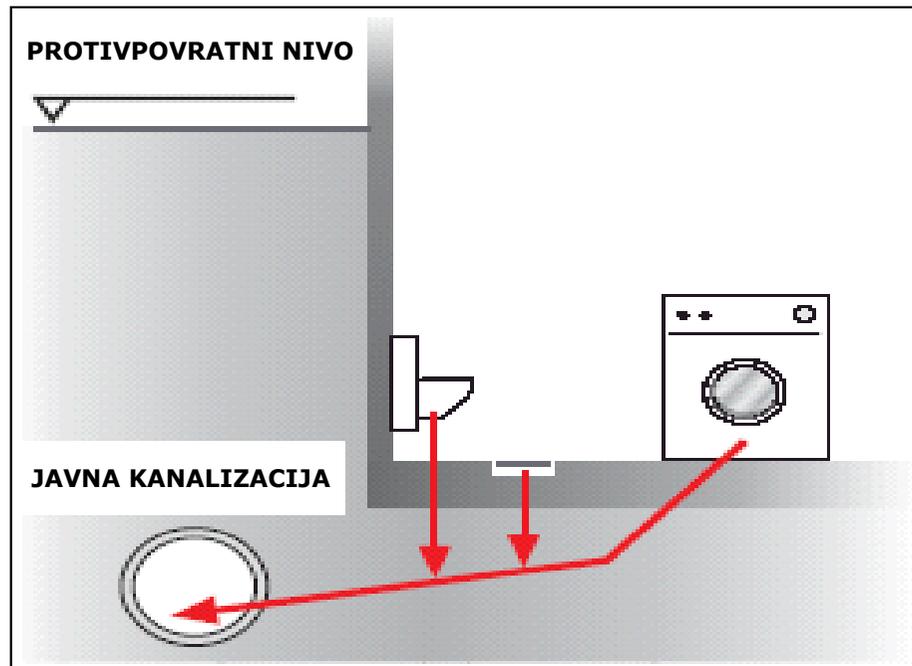


Koristiti prepumpna postrojenja

**AKTIVNA PROTIV
POVRATNA
PREVENCIJA**



Slučaj #2 : Postoji pad od podruma do javne kanalizacije



Koristiti protivpovratne
slivnike i protiv
poplavne sisteme

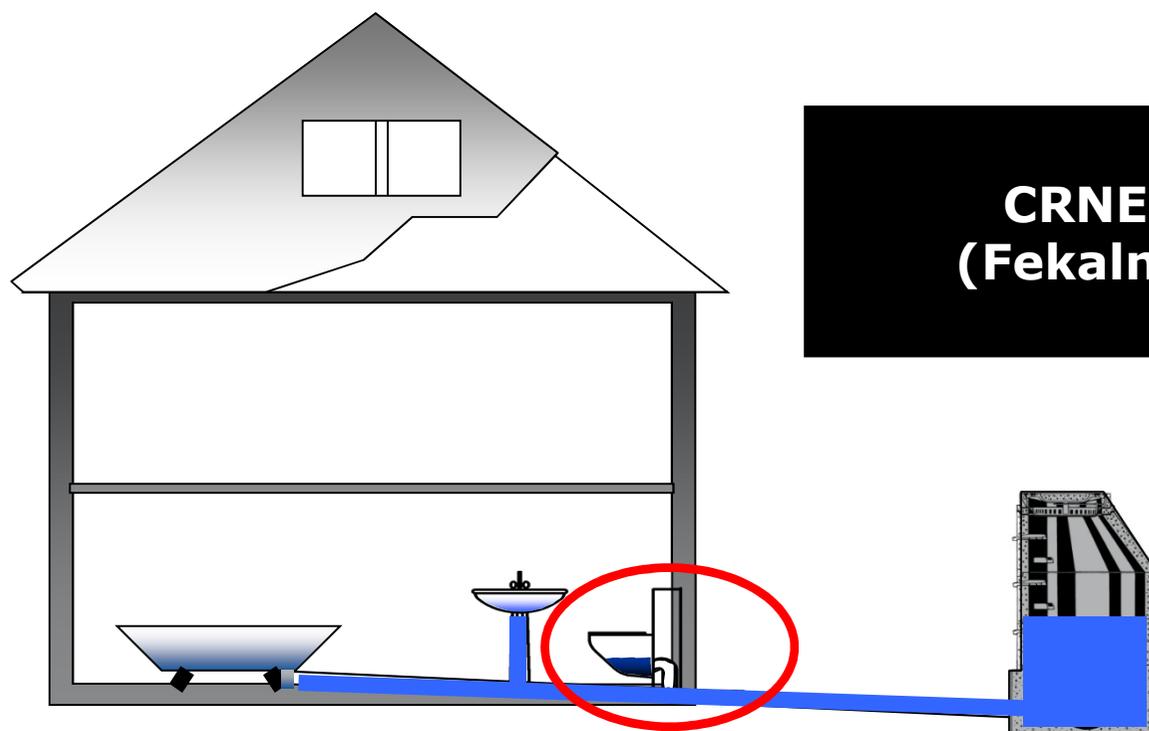
**PASIVNA PROTIV
POVRATNA
PREVENCIJA**



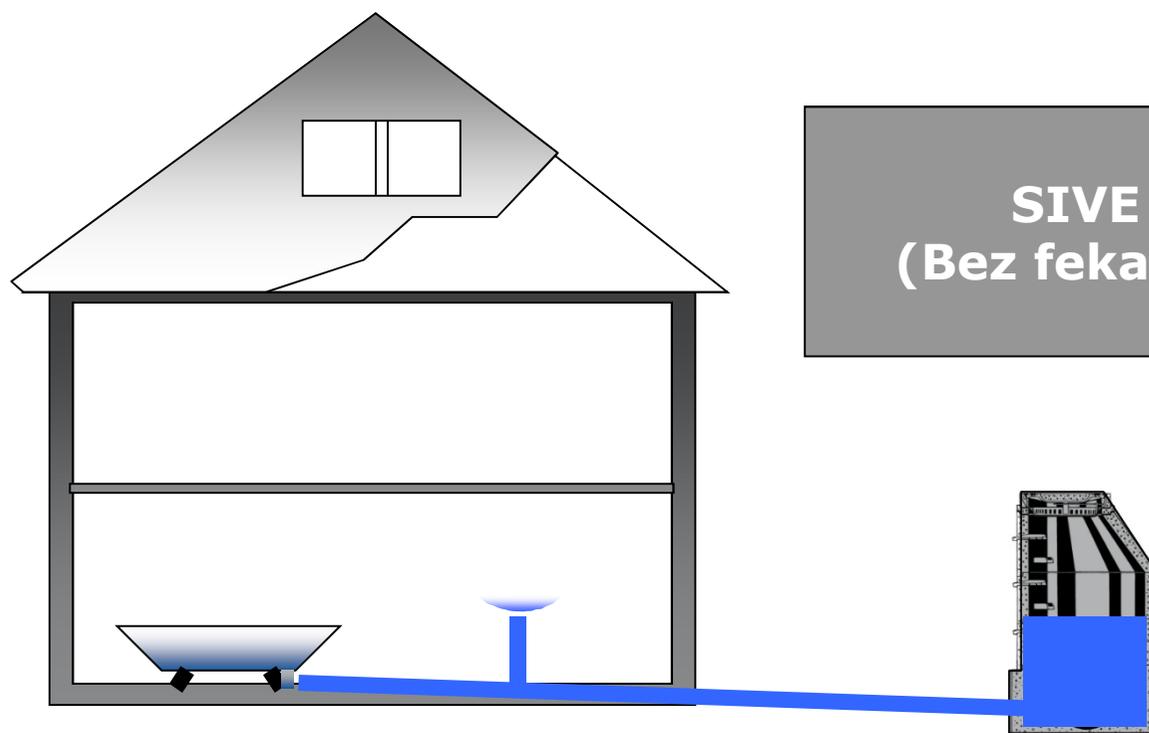
Vrsta odpadne vode



Koja vrsta otpadne vode napušta podrum preko protiv povratne zaštite?



**CRNE VODE
(Fekalne vode)**



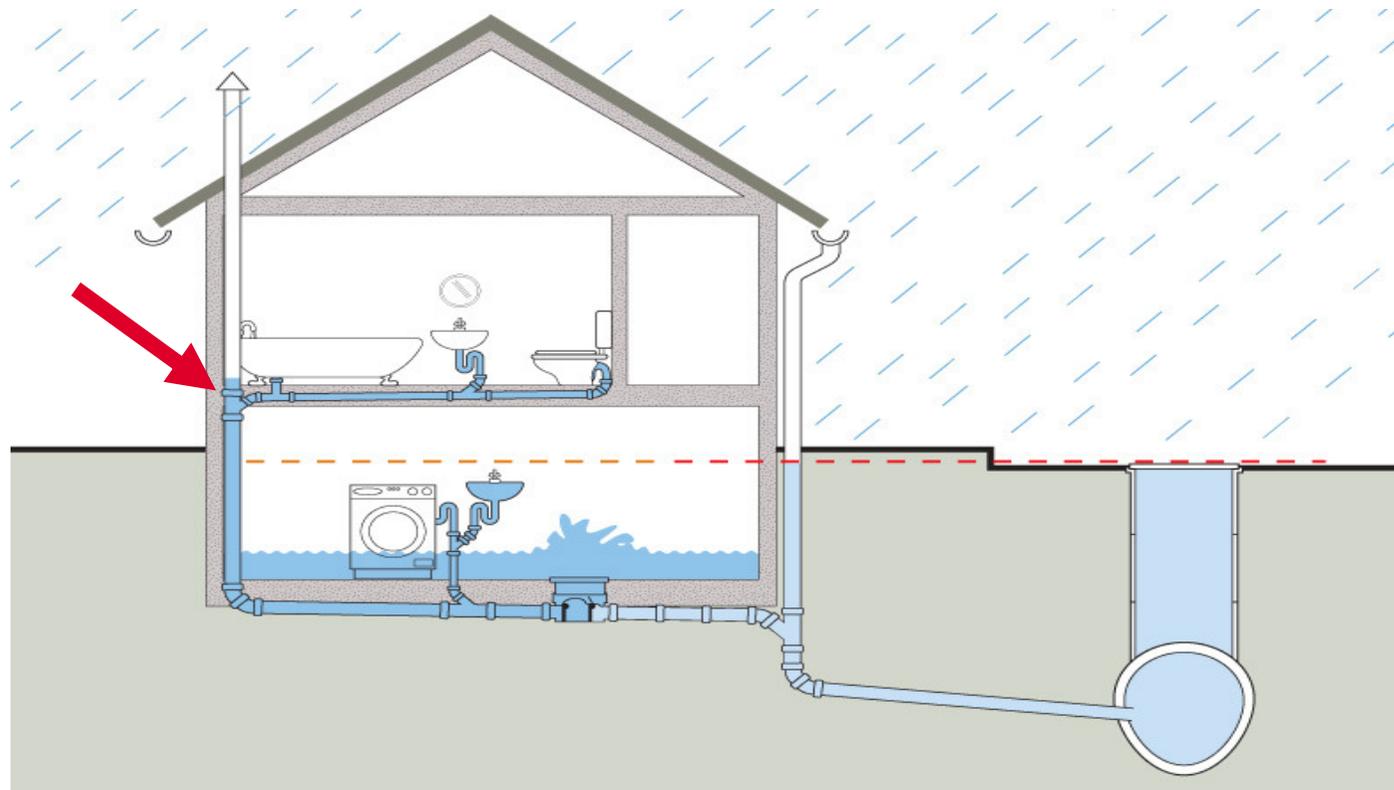
SIVE VODE
(Bez fekalnih voda)



U slučaju povrata voda nije bitan tip otpadne vode



Pasivna protivpovratna prevencija – princip ugradnje

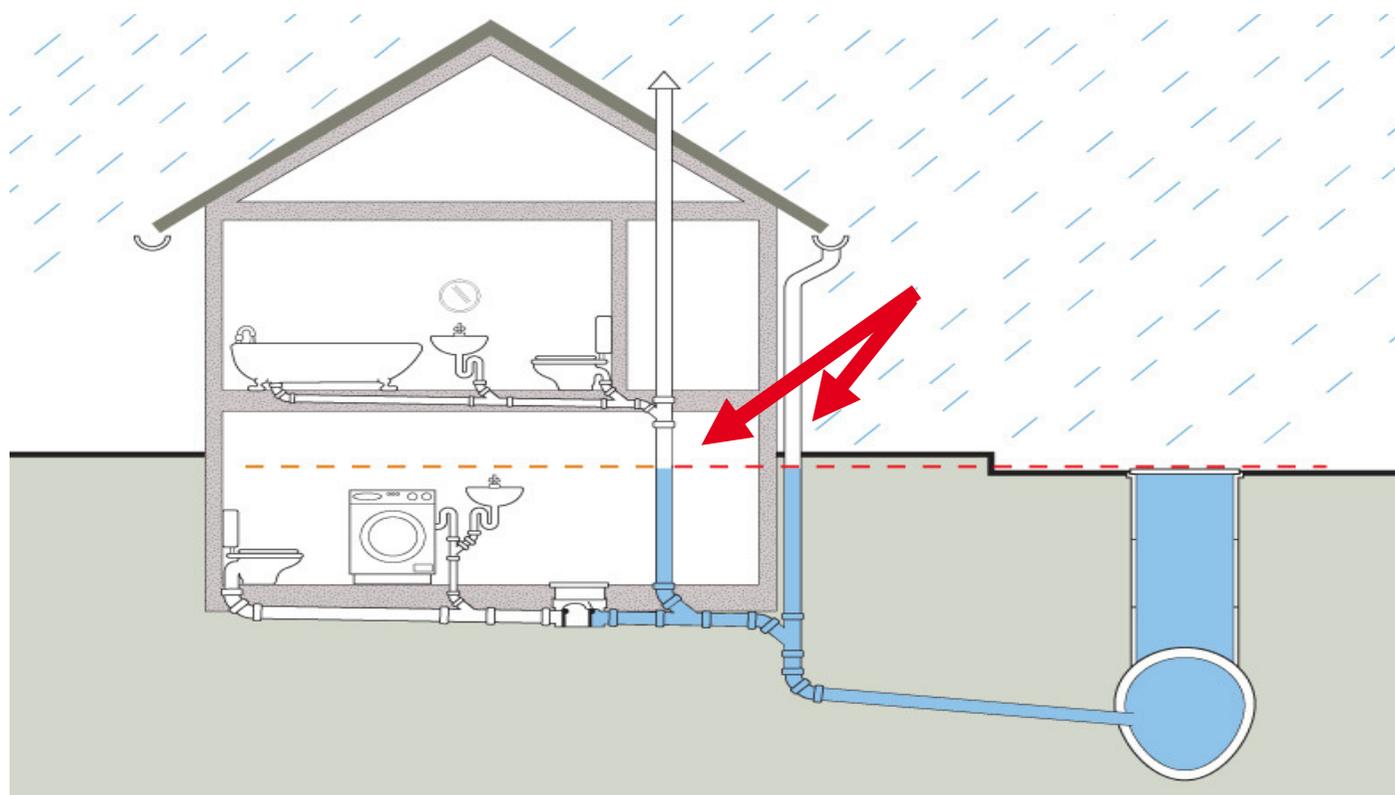


**POGREŠNO!
POGREŠNO!
POGREŠNO!**

**Nikada ne vezivati
spratove iznad
protiv povratnog
nivoa na protiv
povratni sistem!**



Pasivna protivpovratna prevencija – princip ugradnje



DOBRO



Standard EN 13564-1

Tipovi protiv povratnih brana

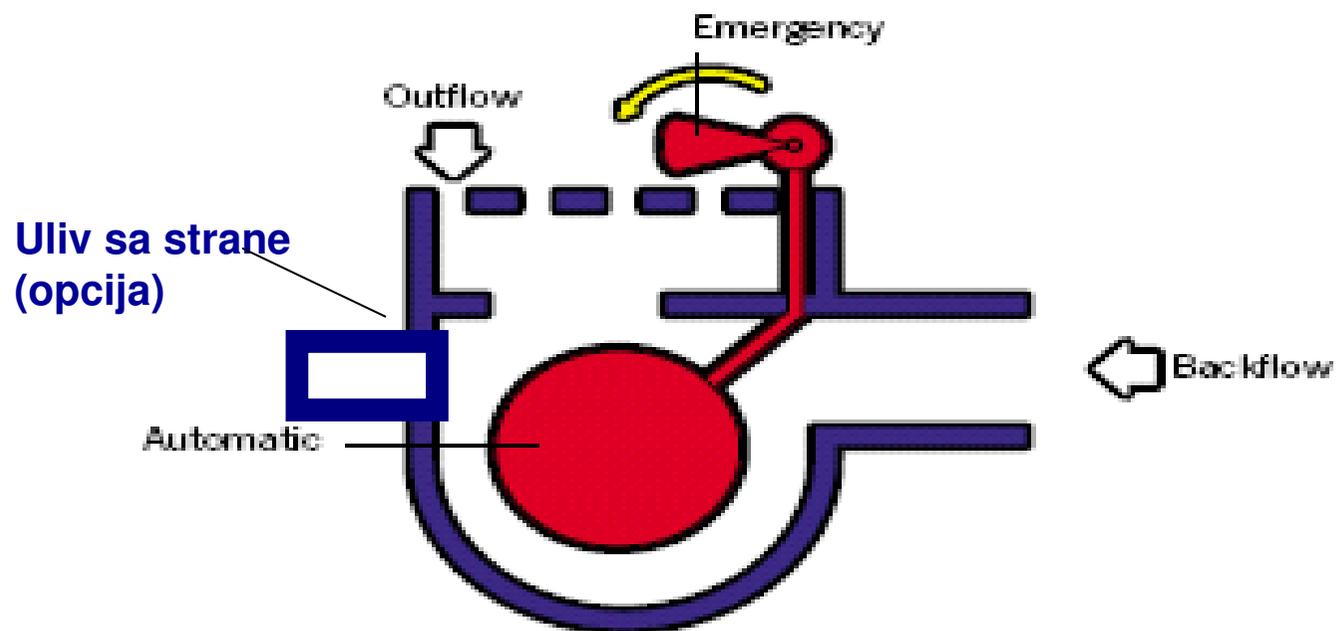
Type	Use	Automatic seal	Emergency seal	Fields of application
0	inline pipe	1	0	rain water utilization plants
1	inline pipe	1	1**	rain water utilization plants
2	inline pipe	2	1**	rain water utilization plants/waste water free of faeces
3	inline pipe	1 (electrical,pneumatic)	1	waste water free of and containing faeces, marked with "F"
4	floor drain	1	1**	waste water free of faeces/precipitation *
5	floor drain	2	1**	waste water free of faeces/precipitation

* only as per EN 13564-1

** The emergency seal can be combined with the automatic seal

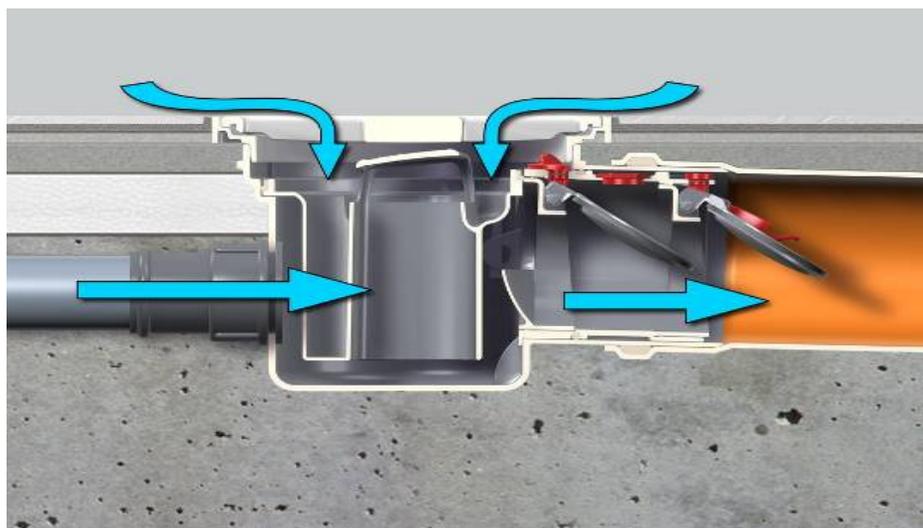


Protiv povratni slivnik - princip

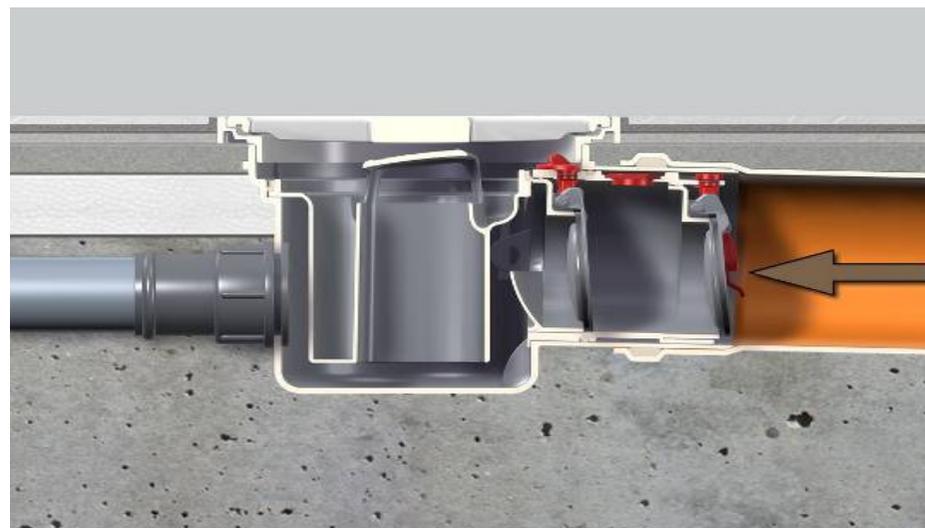




Protiv povratni slivnik - princip



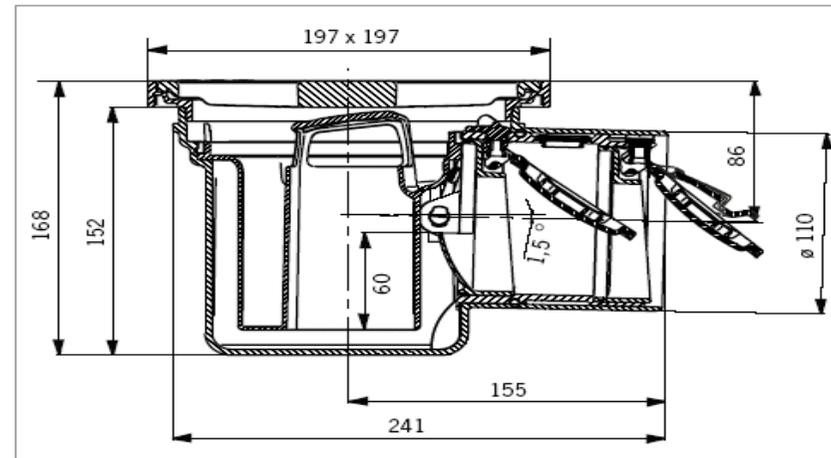
Normalni uslovi: Otpadna voda može biti odvedena preko uliva sa strane i pokrivne rešetke



Povratni tok: pritisak povratnog toka blokira klapne



ACO JUNIOR®



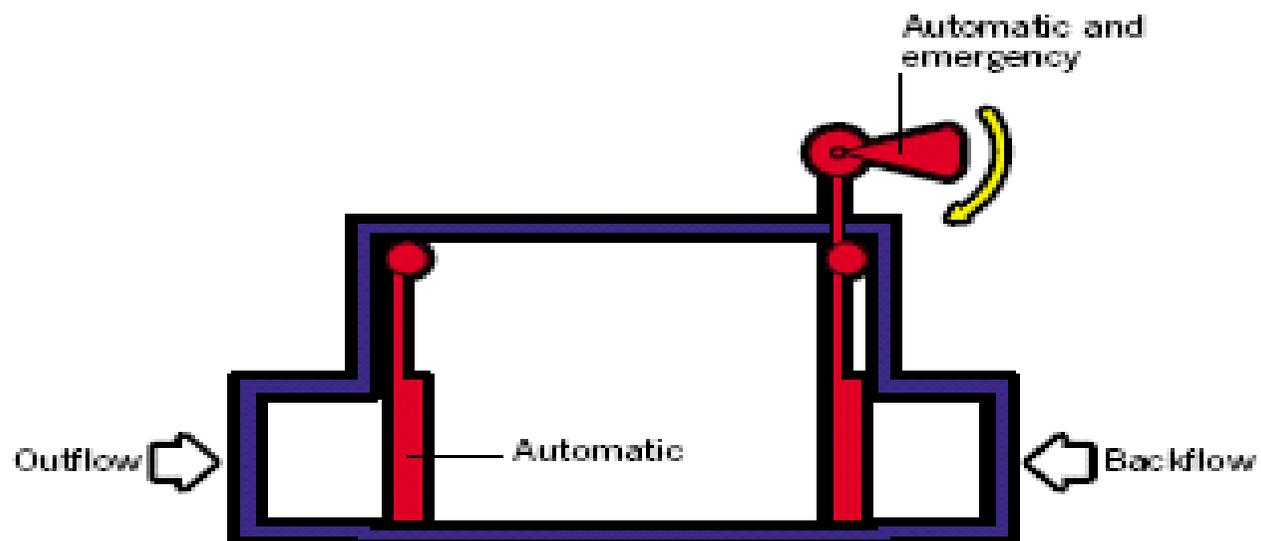


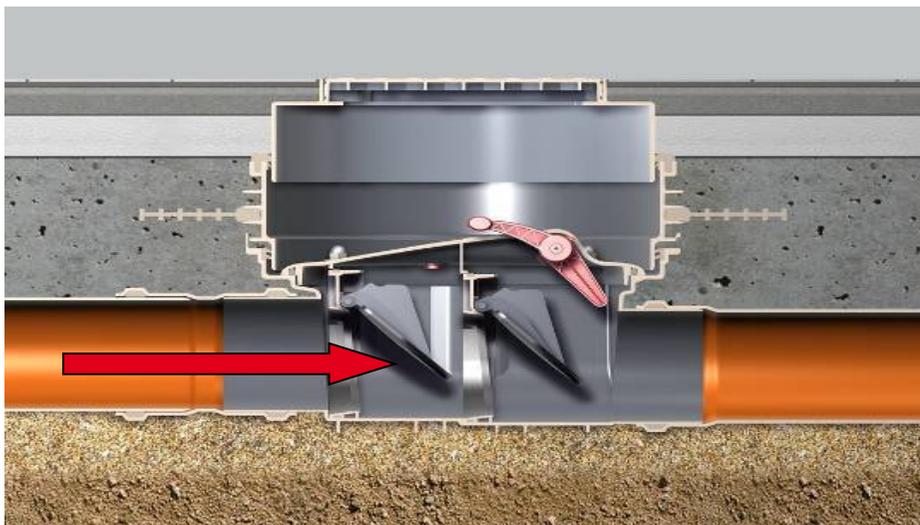
ACO JUNIOR®



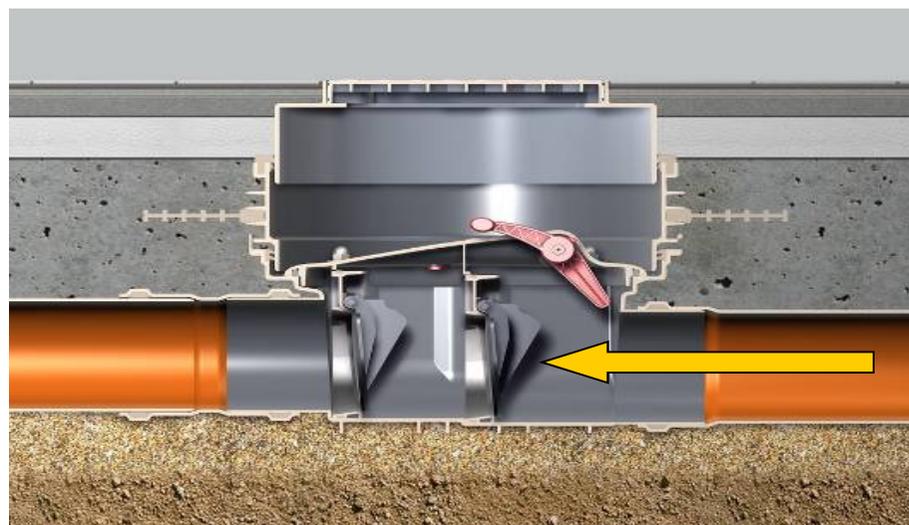


Protiv povratni sistem za sive vode - princip

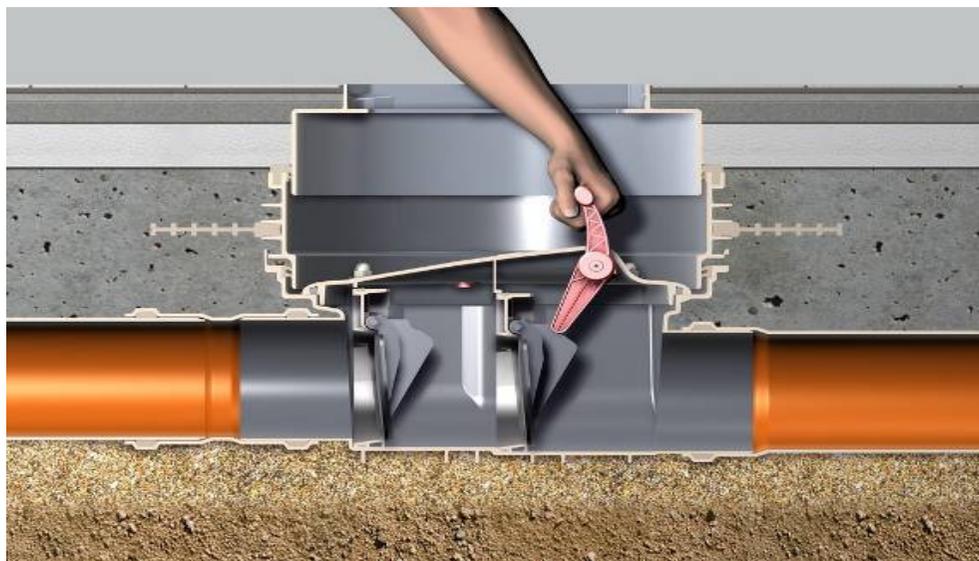




Normalni uslovi: Otpadna voda može biti odvedena preko ulivne cevi



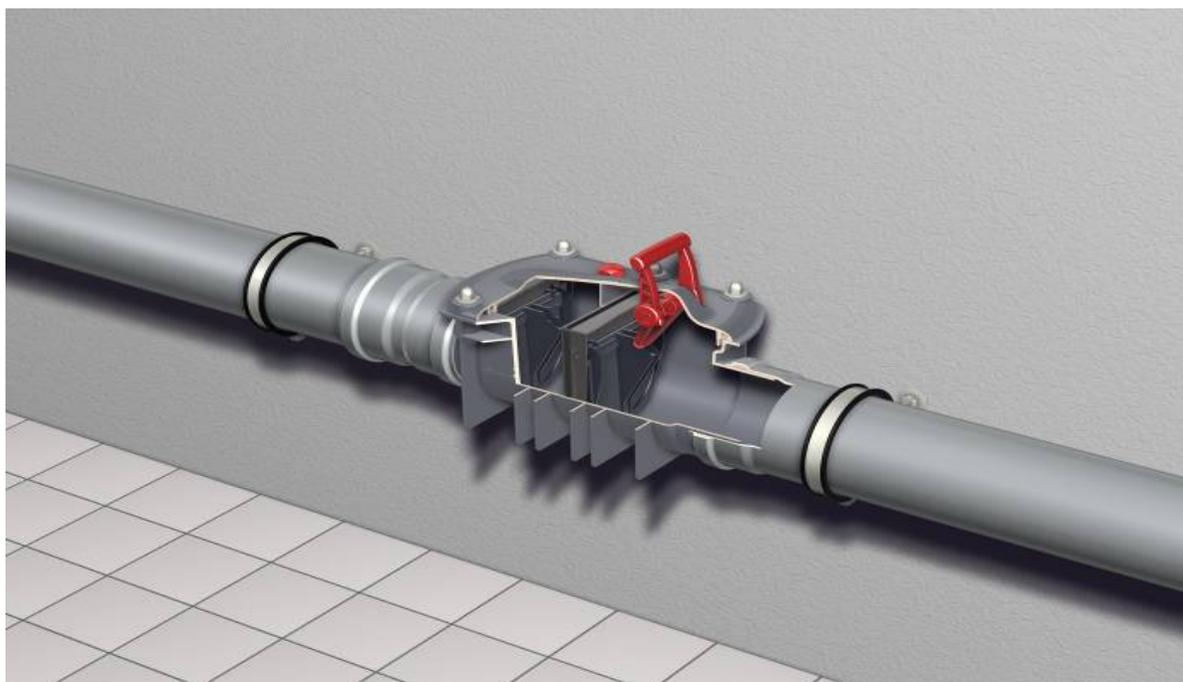
Povratni tok: pritisak povratnog toka blokira klapne



Vanredni slučaj: Prva klapna može biti ručno zatvorena

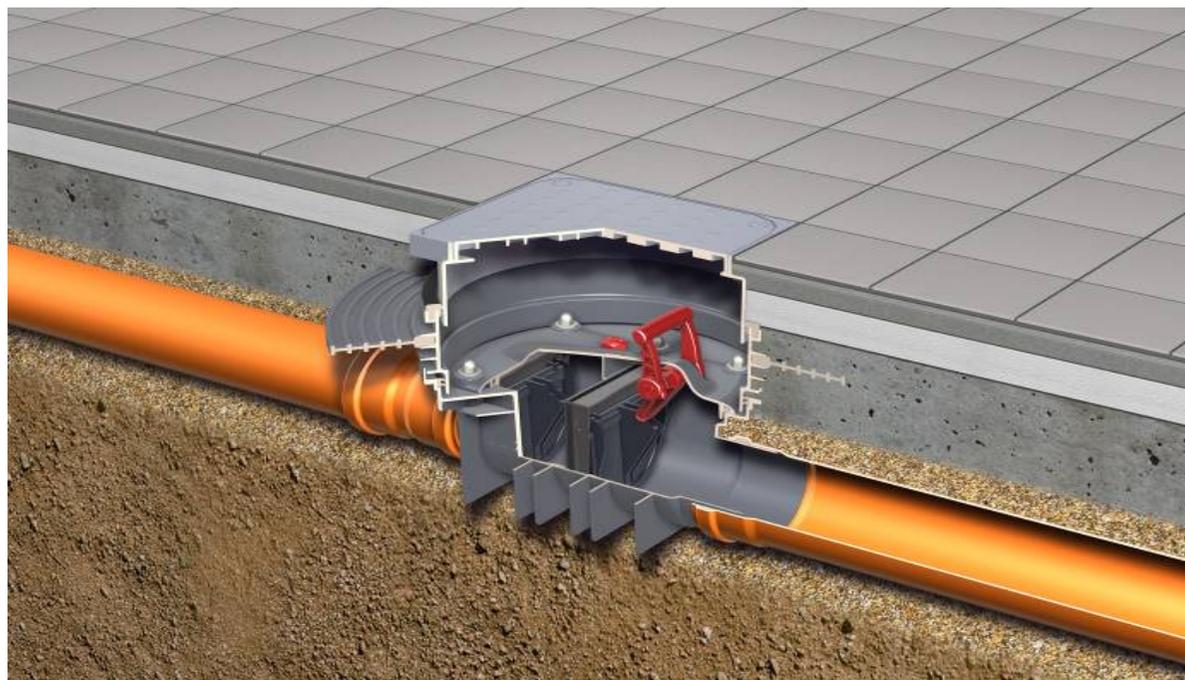


Ugradnja iznad zemlje - TRIPLEX-K



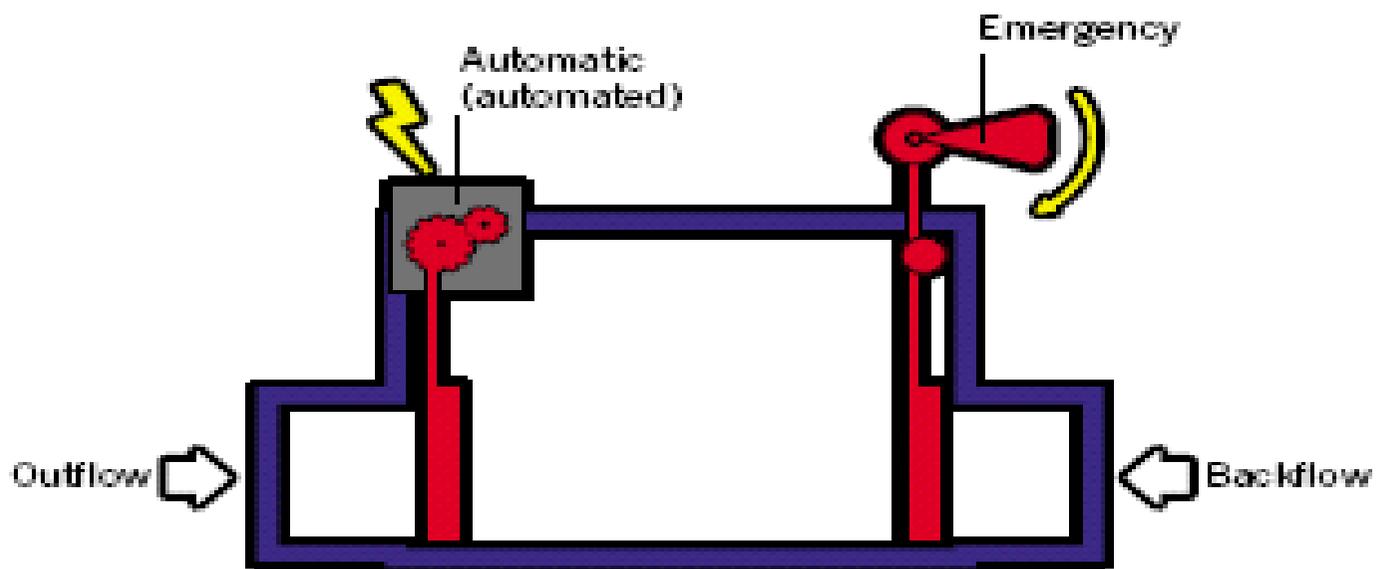


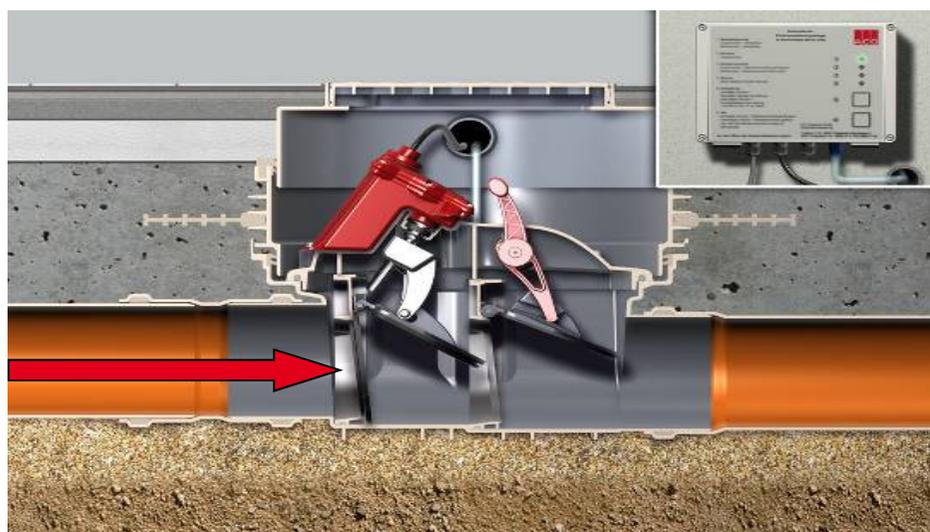
Ugradnja u podu - TRIPLEX-K



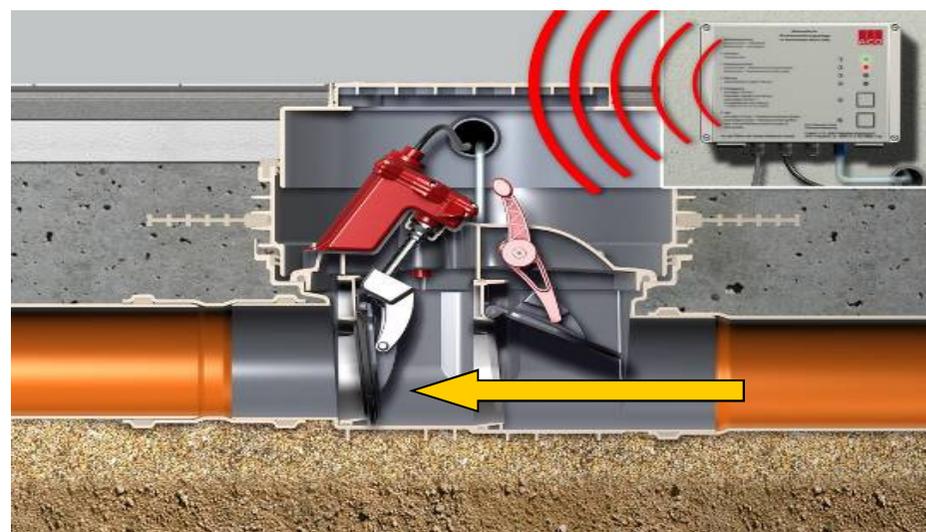


Protiv povratni sistem za crne vode - princip

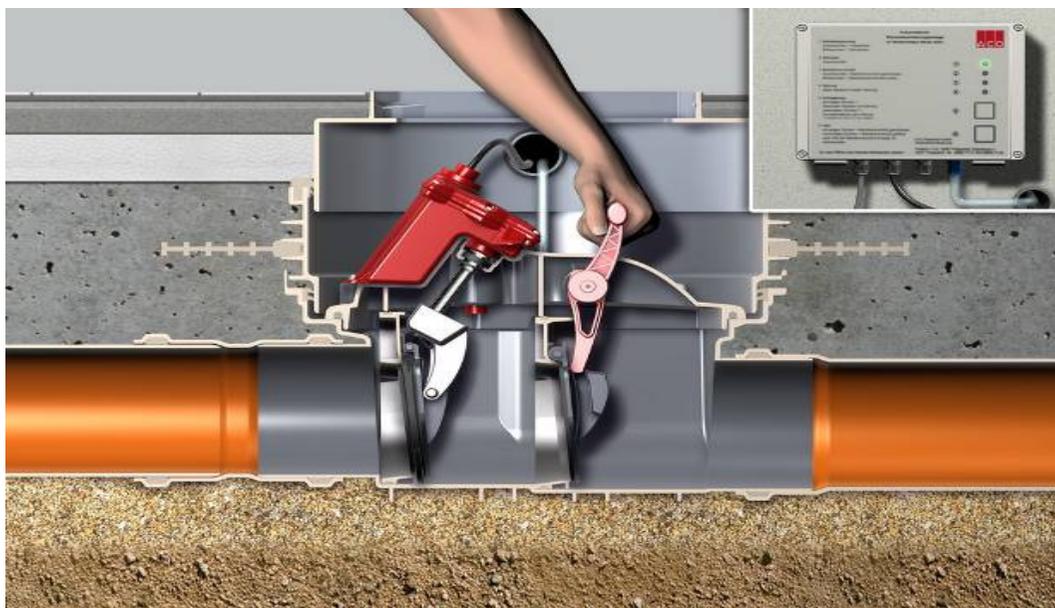




Normalni uslovi: Otpadna voda može biti odvedena preko ulivne cevi



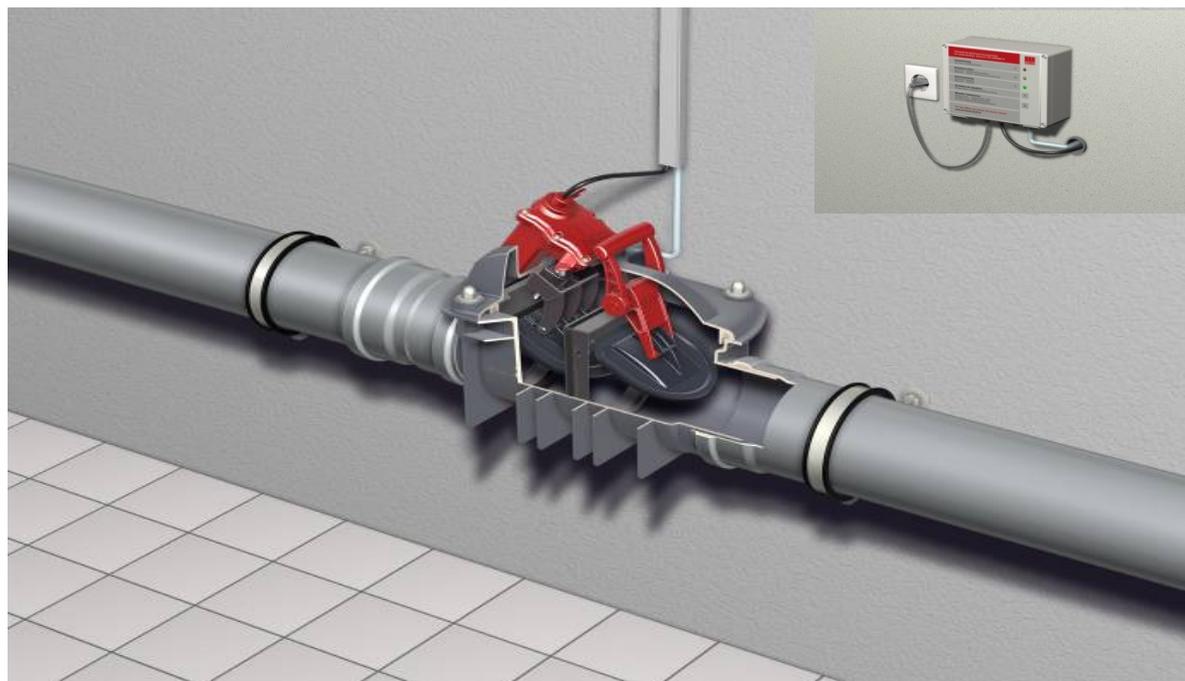
Povratni tok: pritisak povratnog toka aktivira automatiku – druga klapna se zatvara automatski



Vanredni slučaj: Prva klapna može biti ručno zatvorena

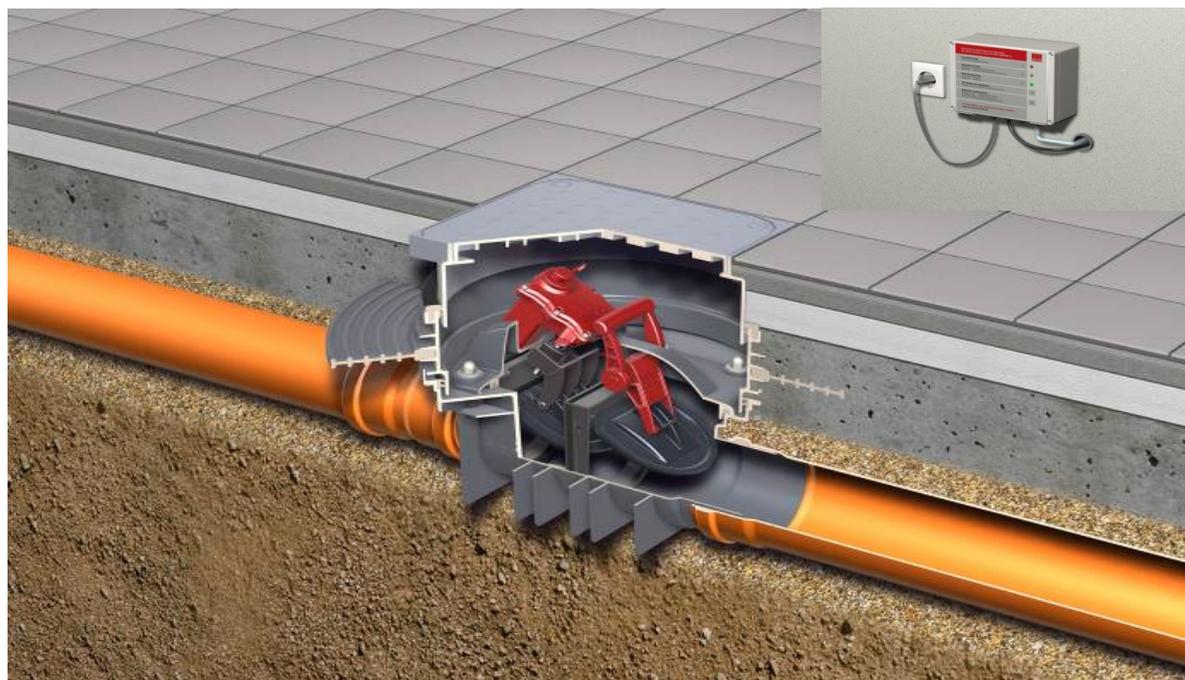


Ugradnja iznad zemlje - QUATRIX-K





Ugradnja u podu - QUATRIX-K





Izbor proizvoda – check lista

