



## INSTALLATION INSTRUCTIONS & PRODUCT GUARANTEE



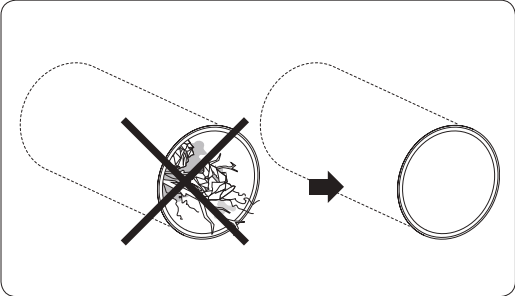
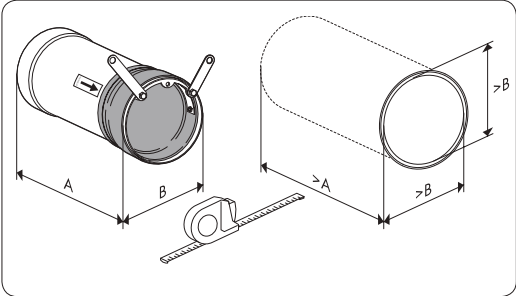
- ☼ PVC DN100-200 Standard (NPS 3"-8")  
PVC DN75-200 Soft/Hard (NPS 3"-8")  
PE DN200-315 Standard/Soft/Hard (NPS 8"-12")
- ☼ Stainless Steel DN100-200 Standard (NPS 4"-8")  
Stainless Steel DN100-1800 Soft/Standard/Hard (NPS 4"-72")

Please note your product serial number:

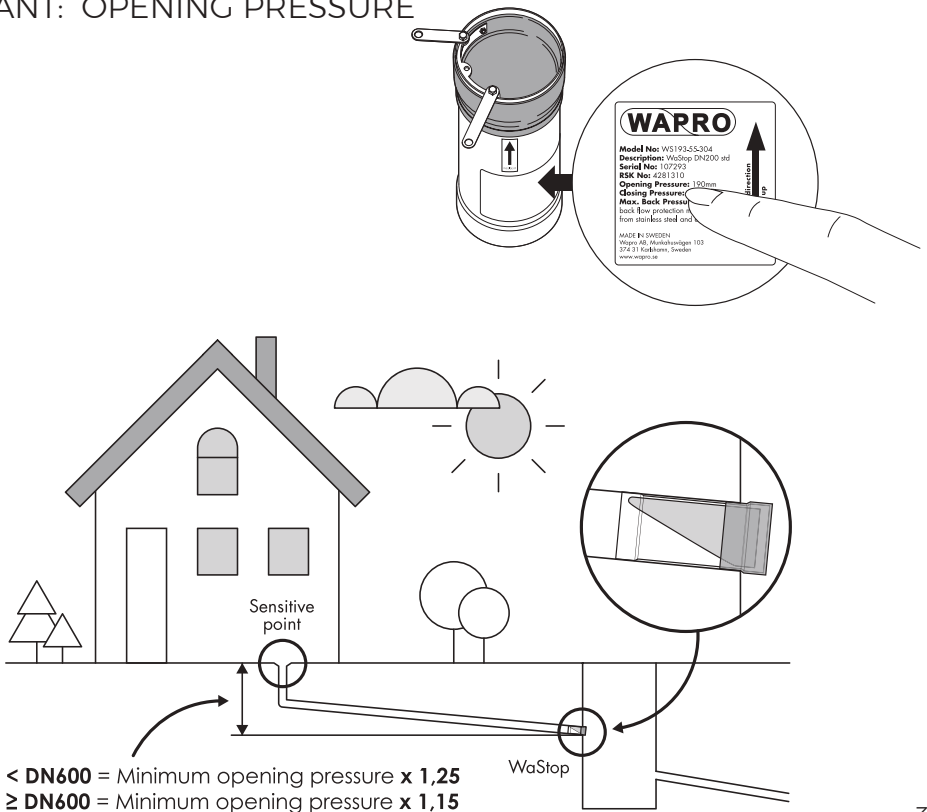
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**THANK YOU FOR PURCHASING A WAPRO PRODUCT. FOR FURTHER PRODUCT INFORMATION PLEASE REFER TO [WAPRO.COM](http://wapro.com).**

# PREPARATION



## IMPORTANT: OPENING PRESSURE



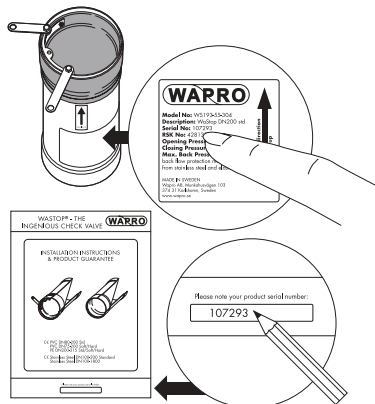
## EXPLANATION

1. Flow direction. Flussrichtung. Sens d'écoulement. Dirección del Flujo. Sentido do fluxo. Flödesriktning. Virtausuunta. Flowretning. Strömretning. Direzione del flusso. Stromingsrichtung. W kierunku przepływu. Voolu suund. Srauto kryptis. Plūsmas virziens. Směr toku. Aramlási irány. Smjer protoka tekućine. اتجاه التدفق. כיוון זרימה.
2. Existing pipe. Bestehendes Rohr. Conduite existante. Tubería existente. Tubo existente. Befintligt rör. Olemassaoleva putki. Eksisterende rør. Eksisterende rør. Tubazione esistente. Bestaande leiding. Istniejąca rura. Olemasolev toru. Esamas vamzdis. Esošā caurule. Stávající potrubí. Meglévo cső. Postojeća odvodna cijev. الأنبوب الموجود. צינור יציאה.
3. Flexible coupling. Rohrkupplung. Manchon souple. Junta de acoplamiento. Acoplamento de União. Flexibel koppling. Liitos liitin. Kobling. Flexkobling. Giunto di collegamento. Koppelstuk. Złącze. Elastne ühendus. Sujungimo mova. Elastīgā uzmava. Spojovací příruba. Kapcsolófej. Spojnica. צימוד גמיש. رابط مرن.
4. Rubber seal. Gummidichtung. Joint caoutchouc. Junta de sellado. Vedação de borracha. Gummitätning. Kumi tiiviste. Gummipakning. Gummipakning. Guarnizione. Rubberenaftdichtung. Gumova uszczelka. Kummithhend. Guminis sandariklis. Gumijas blīve. Gumové těsnění. Gumitömítés. Gumeni prsten. مطاطي. מתע تسריב אטם גומי.
5. Head wall/chamber. Schachtwand. Pairei de regard. Pared de arqueta. Muro da câmara. Vägg/brunn. Kaivon seinä/ Altaan seinä. Kumvegg. Væg/brønd. Parete pozzetto. Wand/Putwand. Sciana studni. Откосная стена. Mahuti või kambri sein. Kamos ar šulinio siena. Stěna jímky. Akna fal. Šahta / pričvrtni zid. الجدار/البنر. דופן קדמית/דופן תחת.
6. Bolts. Bewegliche Metall-Lasche. Boulons. Pernos Metálicos. Parafusos. Bultar. Pultit. Bolter. Bolte. Ancoraggio. Bouten. Šrubby. Poldid. Varžtai. Skrúves. Kotvy. Csavarok. Pričvrtní vjíci. براغي صناعية. ברגים.
7. Flat iron. Flacheisen. Bride plate. Fleje Metálico. Ferro chato. Plattjärn. Kiinnitysrauta. Flattjern. Fladjern. Barra di ancoraggio. Platte anker. Kotwica. Teraslatt. Plieninės fiksavimo plokštelės. Slokšpdzelzs. Upevniecaci prveks. Befogó acél lemez. Metalna pričvrtna pločica. לוחית מתכת. صفحة معدنية.



## SERIAL NUMBER:

## MAINTENANCE

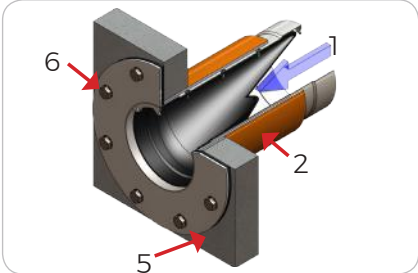
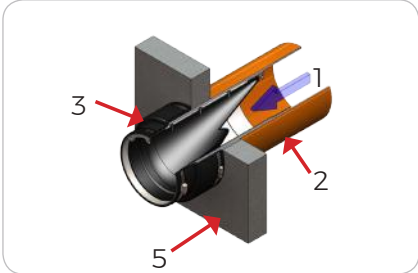
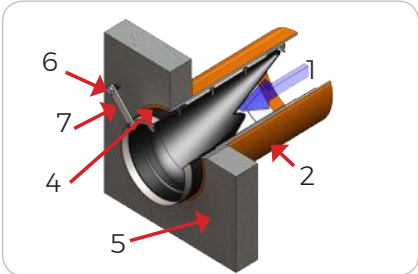
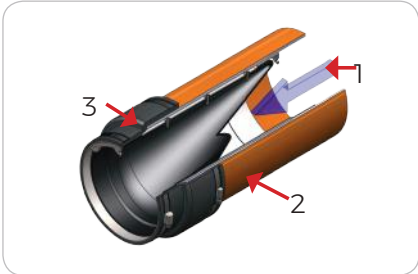


2x / year

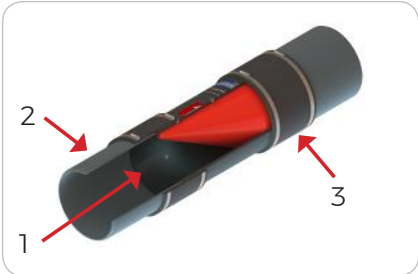
CE CERTIFIED: SS-EN-13564 -1:2002 TYPE O  
US PATENT NO. 6,810,914, PCT/SE00/02524

WASTOP® CHECK VALVE

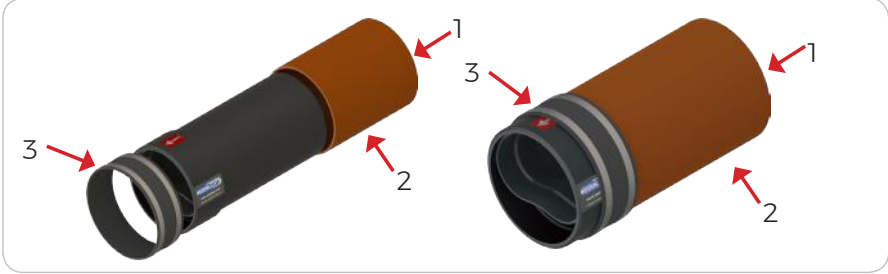
INSTALLATION ALTERNATIVES - STAINLESS STEEL



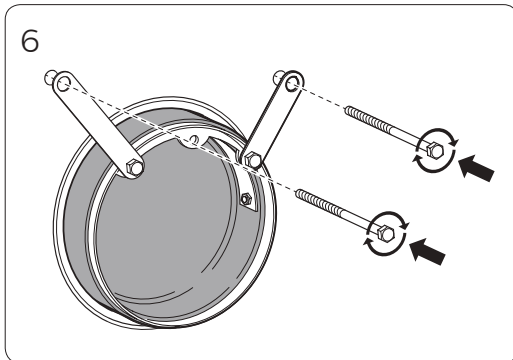
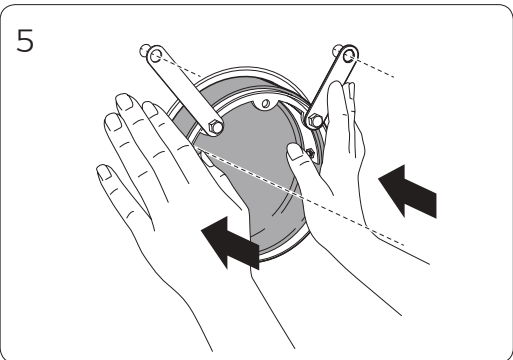
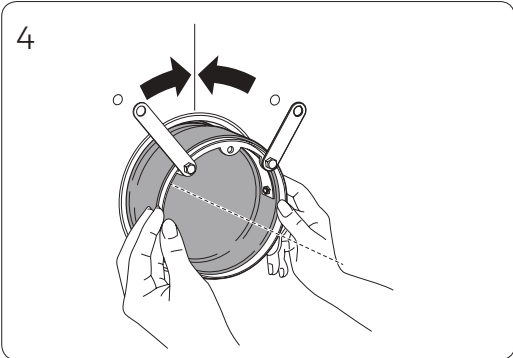
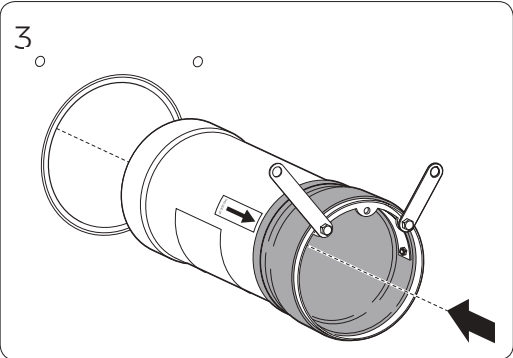
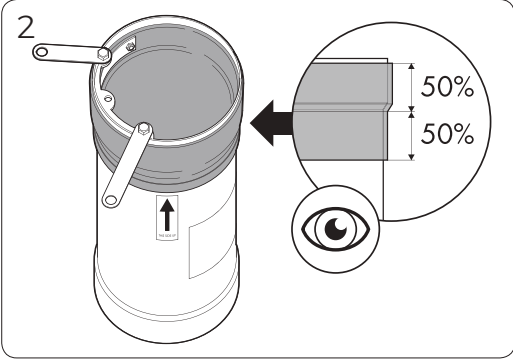
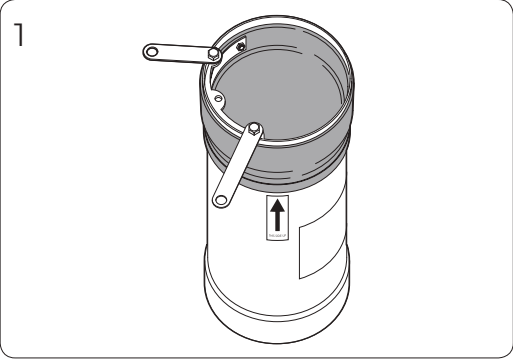
INSTALLATION METHOD - PVC/PE INLINE



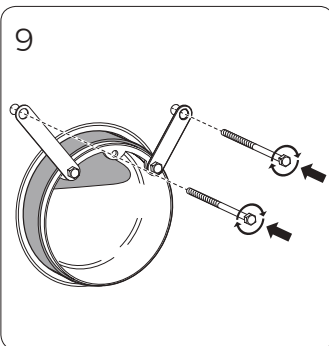
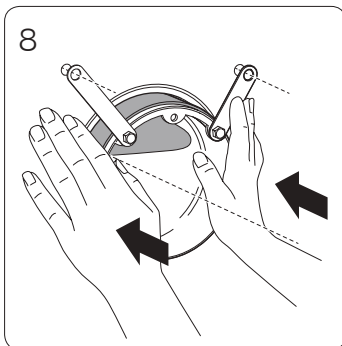
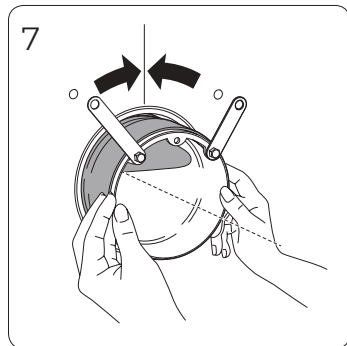
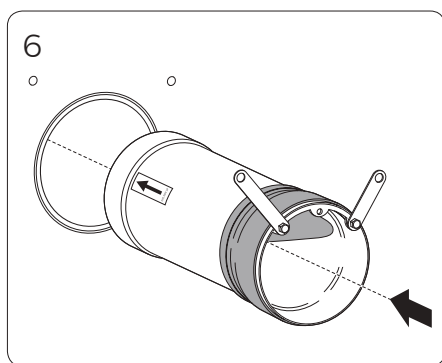
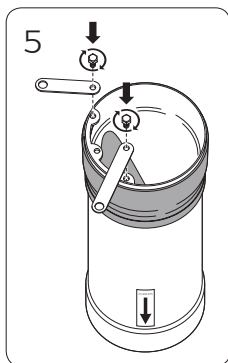
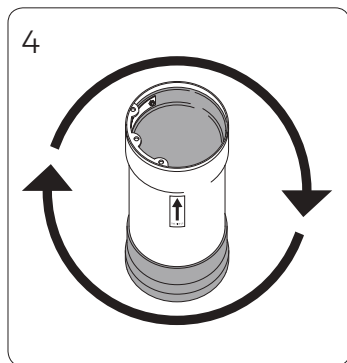
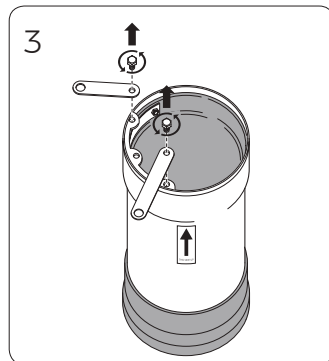
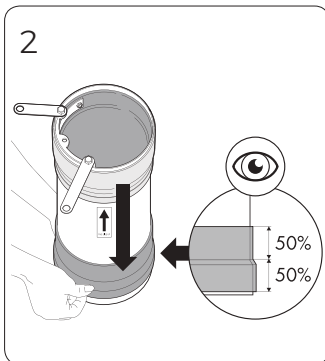
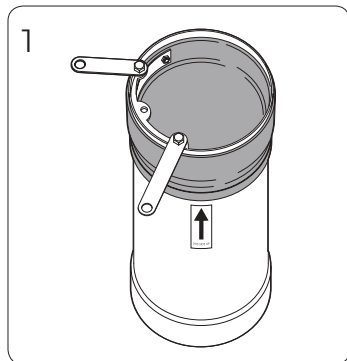
INSTALLATION METHOD - PE INSERT



OUTLET INSTALLATION STAINLESS STEEL (INLET INTO CHAMBER)

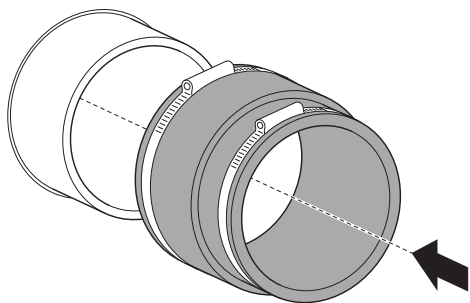


## INLET INSTALLATION STAINLESS STEEL (OUTLET FROM CHAMBER)

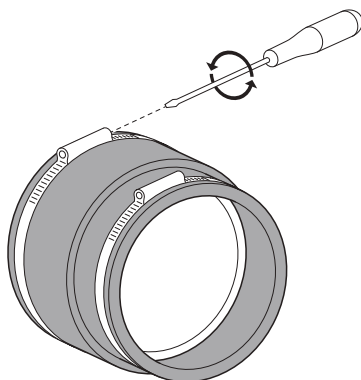


# FLEXIBLE COUPLING INSTALLATION

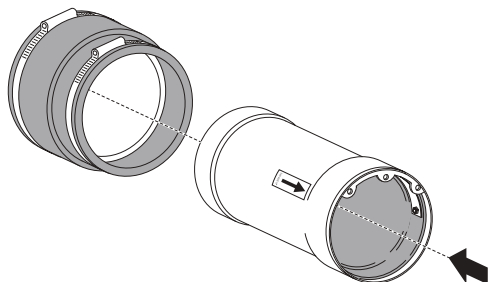
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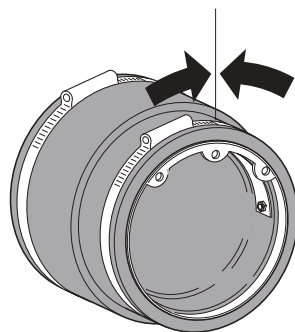
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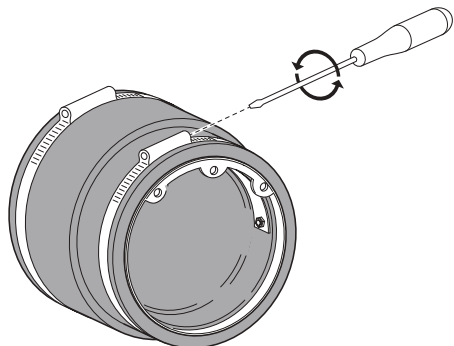
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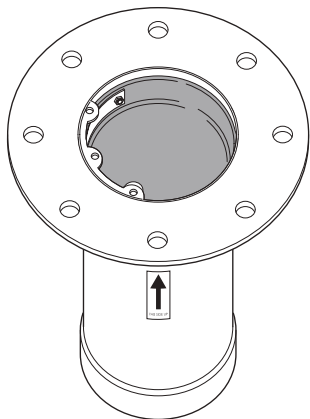
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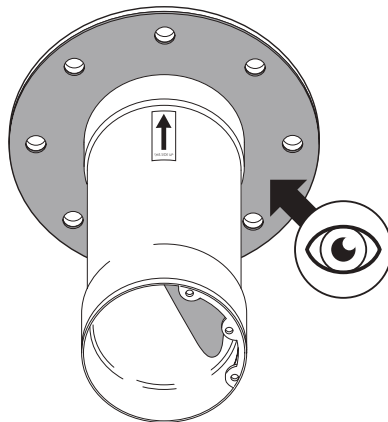


# FLANGE INSTALLATION STAINLESS STEEL

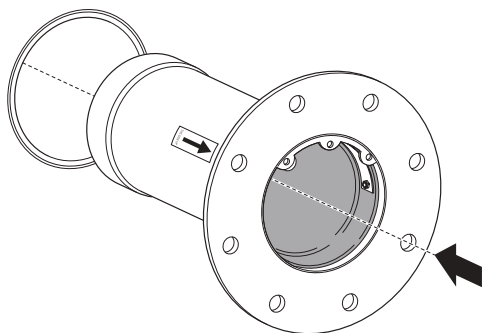
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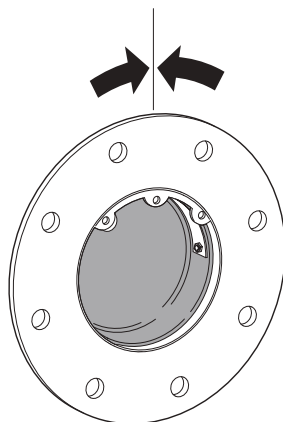
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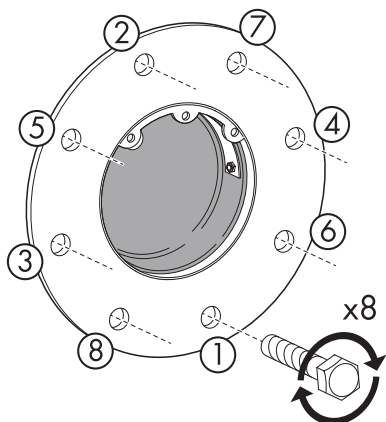
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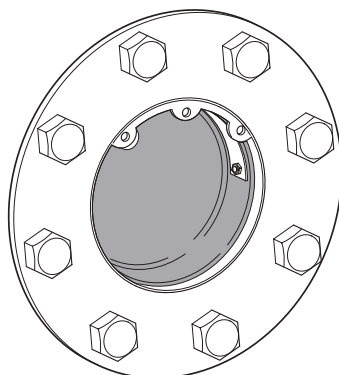
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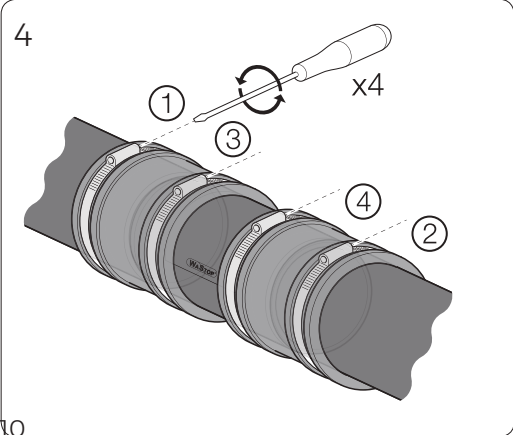
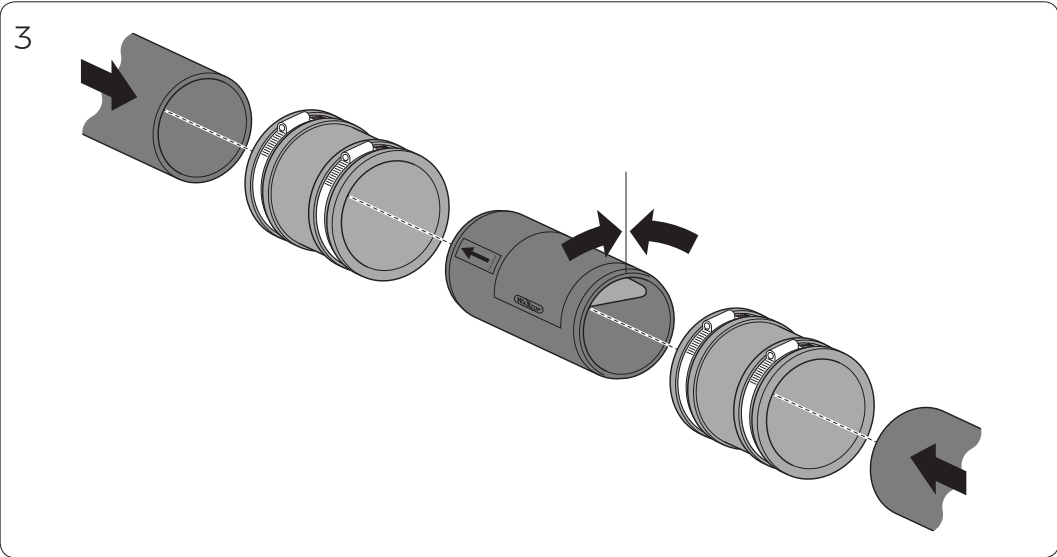
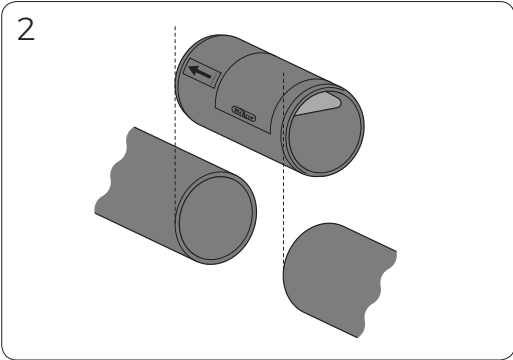
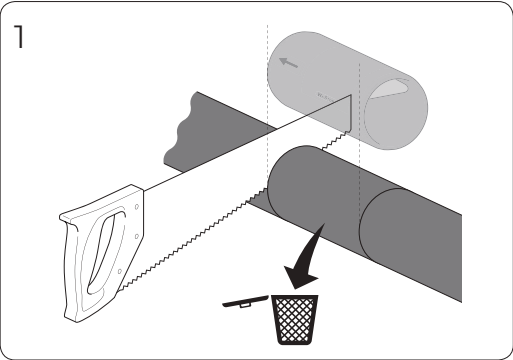
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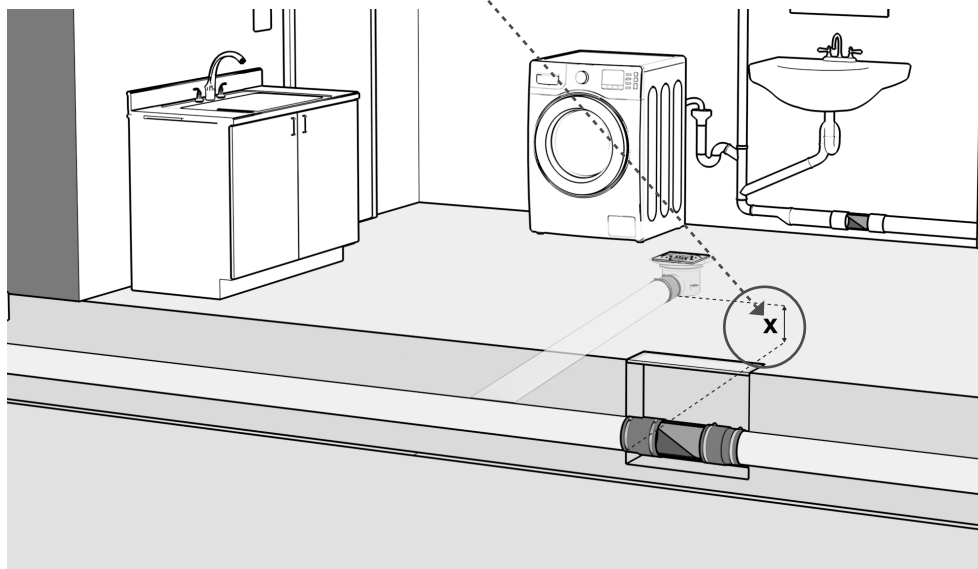
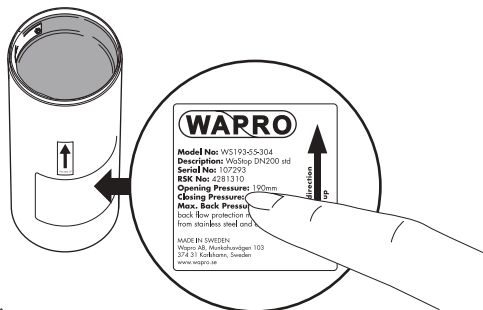
PVC INLINE INSTALLATION



## IMPORTANT: OPENING PRESSURE

DISTANCE BETWEEN THE LOWEST DRAINAGE POINT IN HOME TO BOTTOM OF WASTOP:

AT MINIMUM: (X) = OPENING PRESSURE X 1,15



CONGRATULATIONS ON YOUR PURCHASE OF THE UNIQUE PATENTED WASTOP® INLINE CHECK VALVE.

WaStop®s unique construction prevents backflow in pipe networks. It can be installed in minutes either in existing pipes or manholes, and gives a reliable protection against high water levels, flotsam, gases, salt water, insects and small animals.

#### SAFETY FIRST

When installing a WaStop® check valve please ensure that all safety precautions are taken. Wapro AB accepts no responsibility for incorrect installation or the improper use of this product. Incorrect installation can cause injury, reduce the valve lifetime or damage other mating pipe products. Please read the following information before installing the WaStop® check valve. If you have any questions regarding installation please call your local WaStop® reseller.

#### STORAGE

- The WaStop® check valve should be stored in a cool dry location with good ventilation.
- The valves should not have anything inserted into either end touching the membrane during storage.
- Don't drop, put undue pressure upon, or twist the pipe or membrane as damage may occur.
- The smaller dimension valve should be stored in the box they were delivered in. Larger valves should be stored in a safe location where tampering cannot occur.
- Avoid unnecessary exposure to light and chemicals.
- Store all WaStops in a vertical position with the end of the cone up. If this is not possible ensure the housing of the valve is supported to ensure ovality does not occur.

#### TERMINOLOGY

- Flow direction: Normal direction of flow
- Existing pipe: An existing pipe into which WaStop® will be inserted.
- Joint coupling: A flexible coupling joining the existing pipe and the WaStop®.
- Expansion bolt: A bolt having an attachment that expands as the bolt is driven into a surface.
- Rubber seal: A seal that ensures no leakage between the inside of the existing pipe and the WaStop®.
- Back pressure: The fluid pressure exerted against the valve. Usually measured in feet or meters of fluid above the invert of the pipe.
- Membrane: The elastomer conical membrane inside the WaStop® pipe.
- WaStop® pipe: The outer casing (housing) of the WaStop® membrane.

## WAPRO AB LIMITED WARRANTY

Wapro will remedy defects in material and/or workmanship in any new Wapro valve for a period of two (2) years from the documented date of purchase so long as the valve has been used in accordance with Wapro's instructions and recommendations and under normal operating conditions. The warranty does not cover damage to the valve caused by external mechanical forces, such as interference from humans, animals or machines, nor is the warranty valid if the valve has been modified or altered in any way post-production. Furthermore, the warranty is not valid (a) if the valve is damaged due to exposure to high concentrations of chemical substances, (b) if the valve is damaged due to pressure surges and/or vacuum within the valve, (c) the warranty is invalid if flow velocity exceeds 2m/s through a standard WaStop, or 4m/s through a high pressure kit adapted WaStop, and (d) if malfunctions are caused by other equipment. To request warranty service, the buyer should contact the WaStop dealer where the valve was purchased within a reasonable time after discovering any defects. The valve serial number must be quoted in the case of a warranty claim. Wapro's liability is limited to the replacement or repair of the defective valve. Wapro will not assume costs incurred for removal of defective valves or subsequent installation of replacement valves. Furthermore, Wapro will not assume transportation costs of damaged valves or replacement valves. Wapro warrants that repaired or replaced valves are covered for the greater of either the remainder of the original valve warranty or 90 days.

THE WARRANTY EXPRESSED ABOVE SHALL BE IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT WHICH ARE EXPRESSLY DISCLAIMED, AND IS IN LIEU OF ANY AND ALL OTHER OBLIGATIONS OR LIABILITY ON WAPRO'S PART. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, UNDER NO CIRCUMSTANCES WILL WAPRO BE LIABLE TO BUYER FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES (INCLUDING ANY DAMAGE FOR LOSS OF REVENUE OR PROFIT), OR OTHERWISE ARISING OUT OF OR IN CONNECTION WITH FURNISHING OF THE VALVES, PARTS OR SERVICE HEREUNDER, OR THE PERFORMANCE, USE OF, OR INABILITY TO USE ANY OF THE VALVES, PARTS OR SERVICE, OR OTHERWISE, WHETHER BASED IN CONTRACT, WARRANTY, TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE OR ANY OTHER LEGAL OR EQUITABLE THEORY. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY SHALL APPLY EVEN IF SUCH REMEDIES FAIL THEIR ESSENTIAL PURPOSE. FOR THE AVOIDANCE OF DOUBT, NO EMPLOYEE, AGENT OR OTHER REPRESENTATIVE OF WAPRO IS AUTHORIZED TO EXTEND OR OTHERWISE MODIFY THE WARRANTY SPECIFIED HEREIN.



# HOLDING BACK THE FLOOD

Wapro solutions protect against stormwater and backflow flooding  
Protecting people and property

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Tel: +46 454 185 10  
Email: [wapro@wapro.com](mailto:wapro@wapro.com)

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