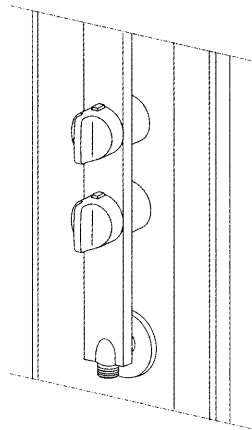




Installation and Maintenance Guide 7489



Water Is Worth Loving.

Oras is a significant developer, manufacturer and marketer of kitchen and bathroom faucets. Ever since the company's founding in 1945 in Rauma, Finland, Oras has been dedicated to bring products of high quality and design with user-friendly technological solutions to the markets. Each technological improvement is designed to contribute to water and energy savings. As early as in the 1990s, Oras presented the touchless, electronic faucets to the European HVAC markets. Oras' vision is to become the true owner of the electronic faucet markets in Europe.

Oras is entirely owned by a family company Oras Invest. All Oras faucets are produced in Europe, in the company's three factories located in Rauma, Finland, in Olesno, Poland and in Leksvik, Norway. Likewise the raw material and the components used in production are sourced from European suppliers. For more information, visit www.oras.com

Det Norske Veritas Certification OY/AB certifies that the Quality Management System of Oras Oy in Rauma Finland, conforms to the ISO 9001, the Environmental Management System to the ISO 14001 standard and the Occupational Health and Safety System to the OHSAS 18001 standard. The certificates are valid for development, manufacture, marketing, sales and after sales services of faucets, accessories and valves.

The TÜV CERT Certification Body of TÜV NORD Zertifizierungs- und Umweltgutachter Gesellschaft mbH certifies that the Quality Management System of Oras Olesno Sp. z o.o. in Olesno Poland, conforms to the ISO 9001, the Environmental Management System to the ISO 14001 standard and the Occupational Health and Safety System to the OHSAS 18001 standard. The certificates are valid for manufacture, storage, marketing, sales and after sales services of faucets, valves and accessories.





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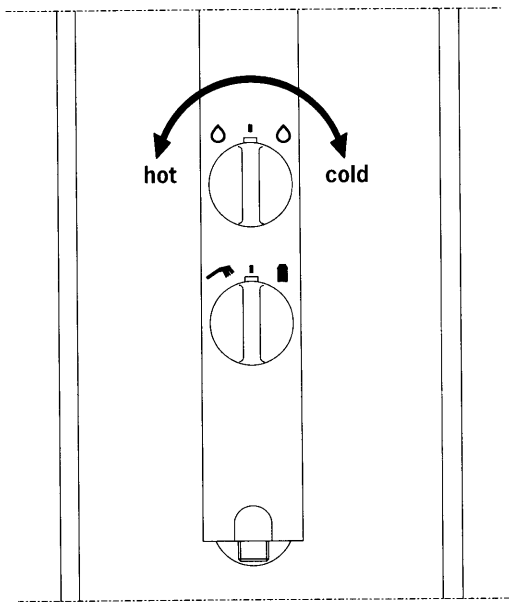


www.oras.com

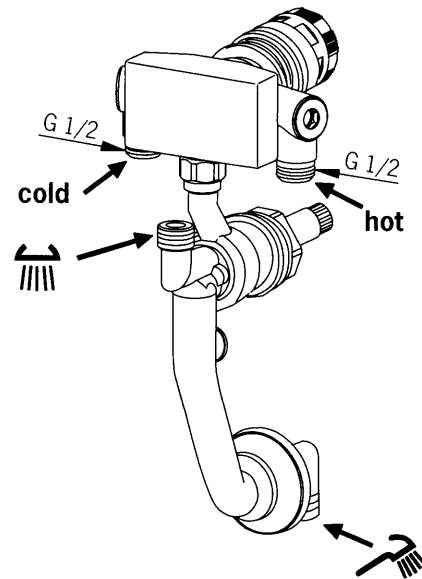
• Technical data • Tekniske data • Tehnilised andmed • Tekniset tiedot • Teknisk data • Технические данные • Tekniska data •

Working pressure Arbejdstryk Kasutamissurve Käyttöpain Arbeidstrykk Рабочее давление, кПа Arbetstryck	Flow-rate at 300 kPa Vandmængde ved 300 kPa Vooluhulk 300 kPa Virtaama 300 kPa Fløde ved 300 kPa Расход воды 300 кПа, л/с Flöde vid 300 kPa	Pressure loss Tryktab Rõhukadu Painehäviö Tryckfall Потеря давления, лПа Tryckfall	Water temperature Varmtvands temperatur Vee temperatuur Käyttöveden lämpötila Varmtvann Горячая вода Varmvattenanslutning	Noise class Støjklasse Hääleklass Ääniluokka Støyklasse Уровень шума Ljudklass
150 – 1000 kPa	0.25 l/s  0.2 l/s 	190 kPa (0.2 l/s) 310 kPa (0.2 l/s)	max. +80°C	I (ISO 3822)

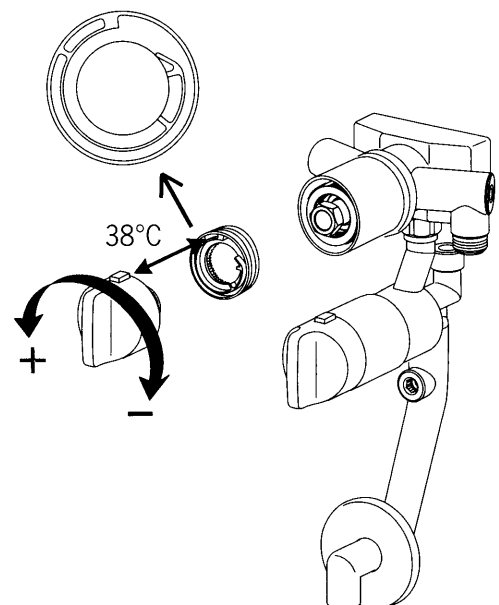
• Operation • Betjening • Toimimine
• Toiminta • Funksjon • Принцип действия • Funktion •



• Installation • Installation • Paigaldus • Asennus
• Montering • Установка • Installation •

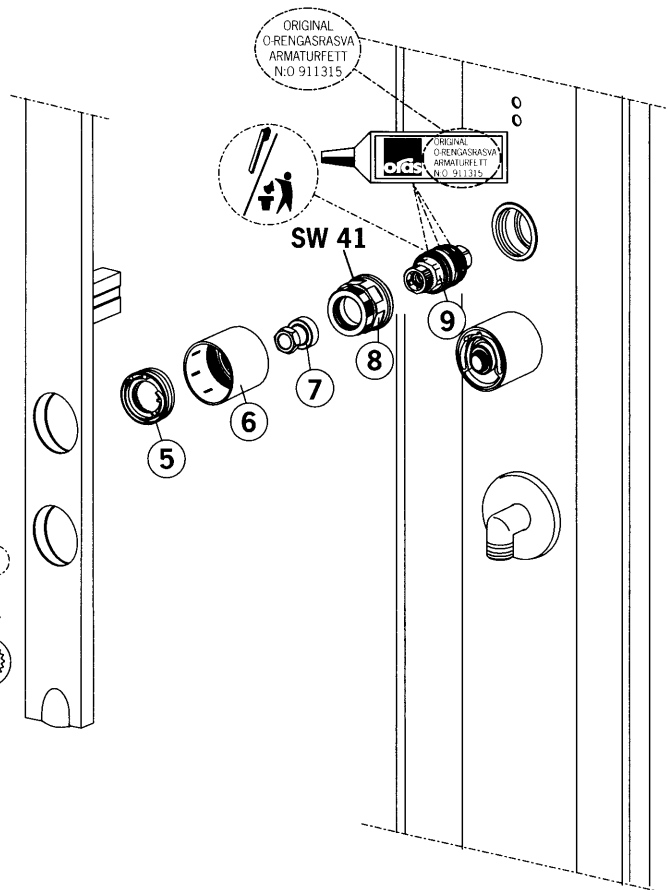
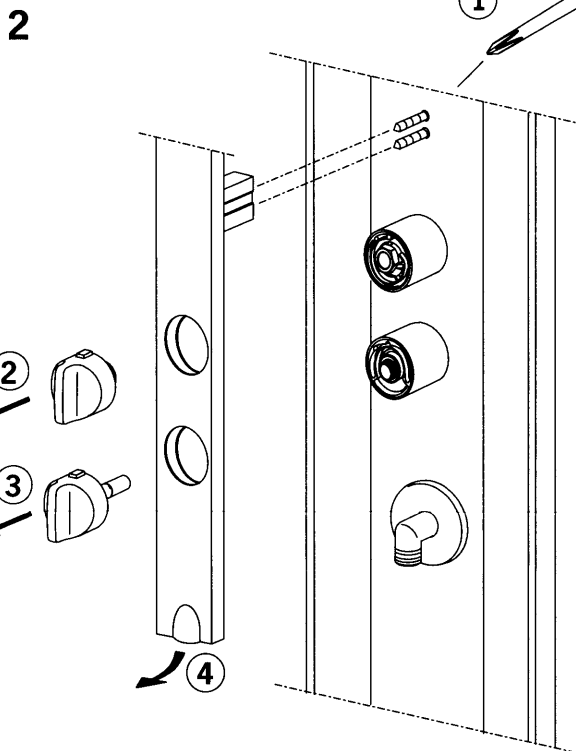
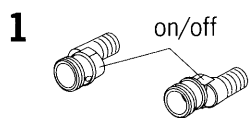


- Temperature adjustment
- Justering af temperaturen på installationsstedet
- Temperatuuri seadmine vajadusel
- Lämpötilan säätö tarvittaessa
- Justering av temperaturen ved sperreknappens
- Регулировка температуры
- Justering av blandningstemperatur



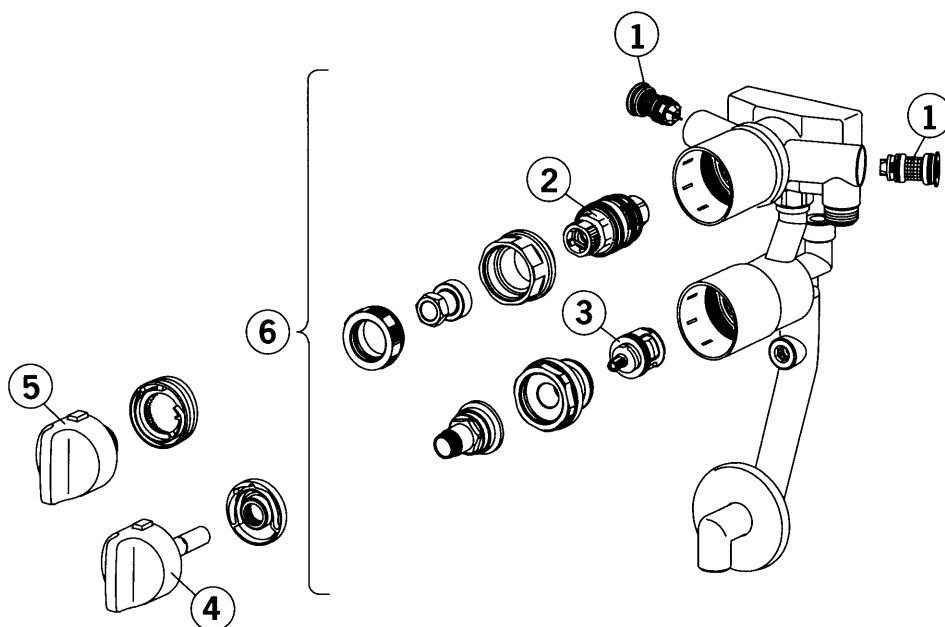
- Servicing the cartridge
- Service på termostadelen
- Seadeosa hooldus
- Säättöosan huolto
- Service på termostadelen
- Техобслуживание узла регулировки
- Service av reglerinsats i blandaren

3



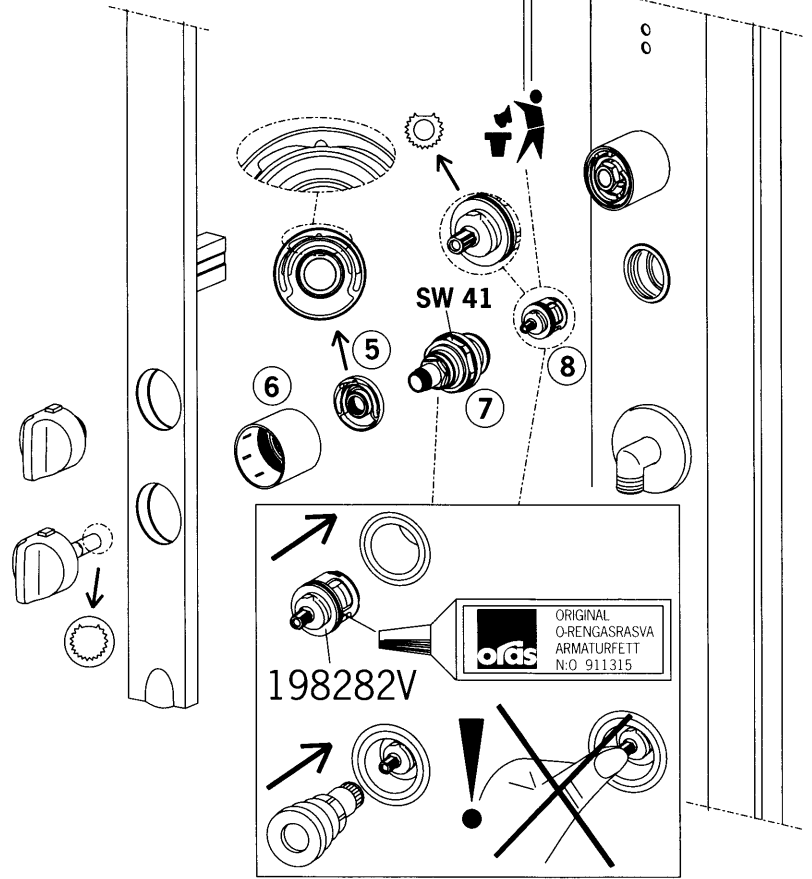
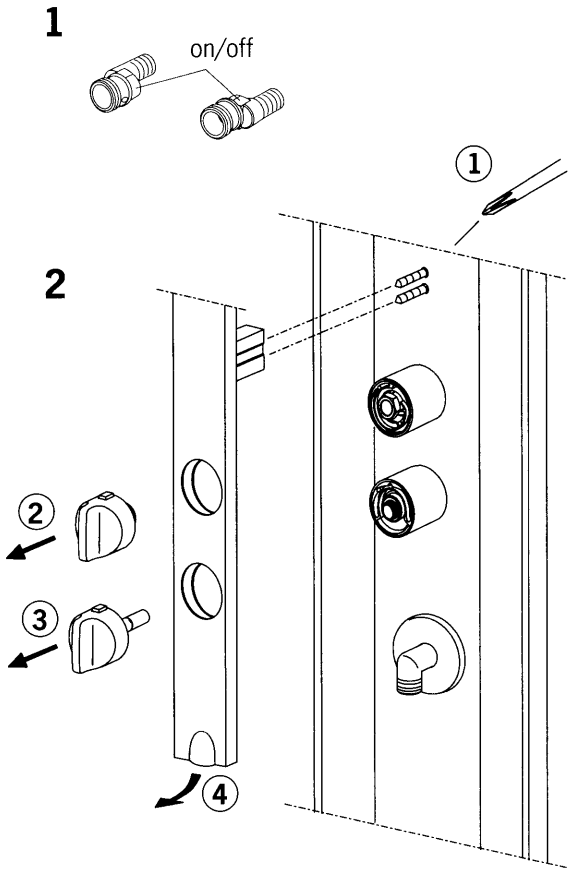
- Spare parts
- Reservedele
- Varuosad
- Varaosat
- Reservedeler
- Запасные части
- Reservdelar

1	178295
2	178780V
3	198282V
4	600730V
5	600729V
6	178871V



- Changing the diverter cartridge
- Udsiftning af omskifterdelen
- Vahetaja / seadeosa vahetus
- Vaihdin/säätöosan vaihto
- Bytting av omkaster kassett
- Замена узла регулировки переключающего устройства
- Byte av reglerkassett i styrenheten

3



- Cleaning/changing the litter filters
- Rensning/udskiftning af filtre
- Prügipüüduri puhastamine/vahetamine
- Roskasiivilöiden puhdistaminen/vaihtaminen
- Rensning/bytting av filter
- Очистка и замена уплотнительных фильтров
- Rengöring/byte av smutsfilter

2

