


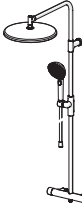

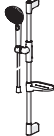







Oras

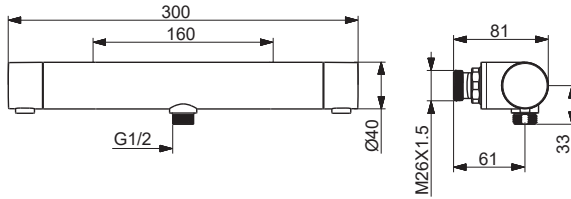
Installation and maintenance guide

		4-8
		9-10
		11-13
		14-16
		16-20
		21



4750

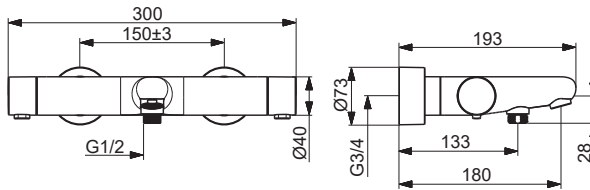
I (ISO 3822)
EN1111
100 - 1000 kPa
0.26 l/s (300 kPa)
max. +80°C



mpi.oras.com/4750

4740

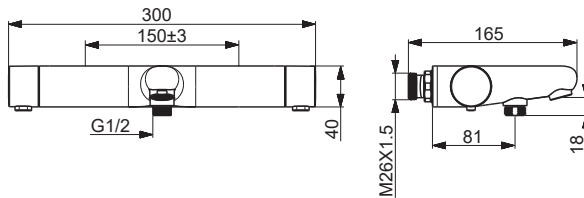
I (ISO 3822)
EN1111
100 - 1000 kPa
0.25/0.34 l/s (300 kPa)
max. +80°C



mpi.oras.com/4740

4754

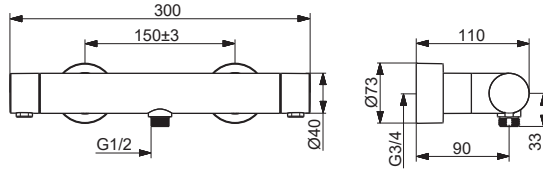
I (ISO 3822)
EN1111
100 - 1000 kPa
0.25/0.34 l/s (300 kPa)
max. +80°C



mpi.oras.com/4754

4760

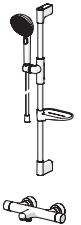
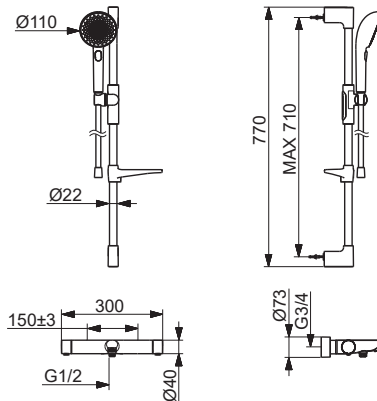
I (ISO 3822)
EN1111
100 - 1000 kPa
0.26 l/s (300 kPa)
max. +80°C



mpi.oras.com/4760

4749

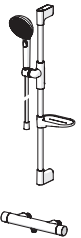
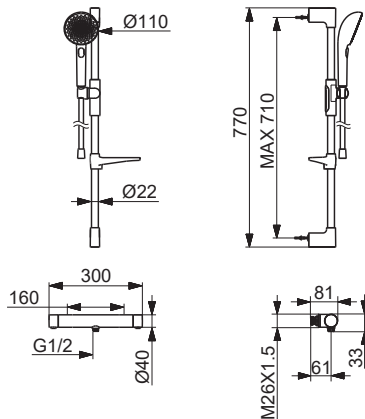
I (ISO 3822)
EN1111
100 - 1000 kPa
0.25/0.34 l/s (300 kPa)
max. +65°C



mpi.oras.com/4749

4759

I (ISO 3822)
EN1111
100 - 1000 kPa
0.25/0.34 l/s (300 kPa)
max. +65°C

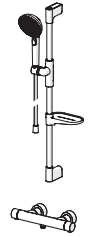
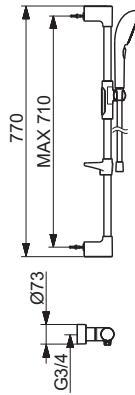
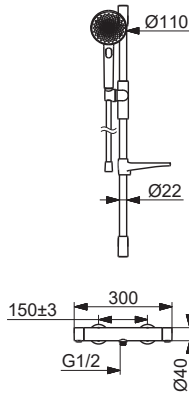


mpi.oras.com/4759



4769

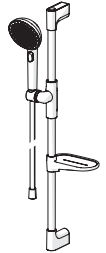
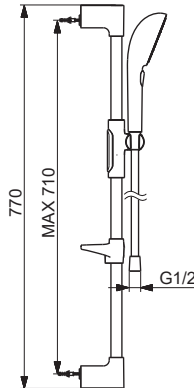
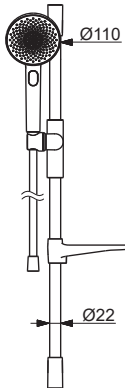
I (ISO 3822)
 EN1111
 100 - 1000 kPa
 0.25/0.34 l/s (300 kPa)
 max. +65°C



mpi.oras.com/4769

4790

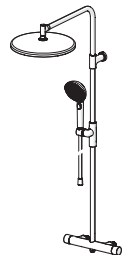
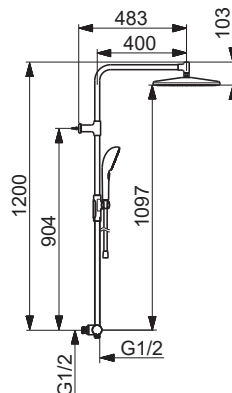
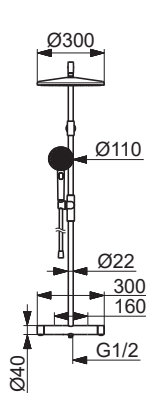
I (ISO 3822)
 EN1112
 50 - 500 kPa
 0.2 l/s (300 kPa w/ flow reducers)
 max. +65°C



mpi.oras.com/4790

4756

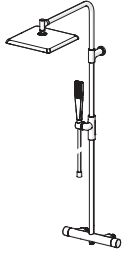
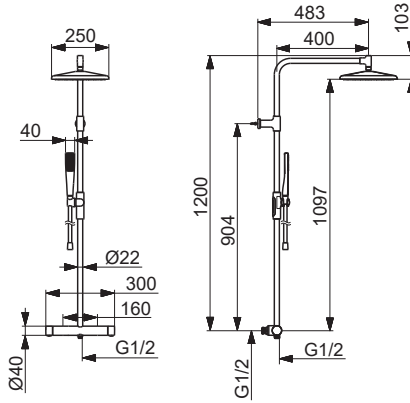
I (ISO 3822)
 EN1111
 100 - 1000 kPa
 max. +65°C



mpi.oras.com/4756

4757

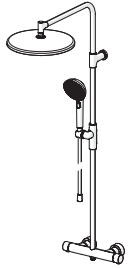
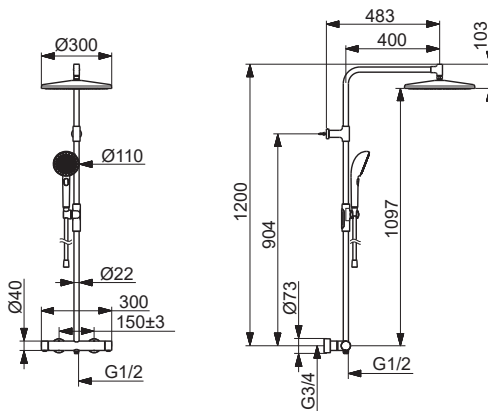
I (ISO 3822)
EN1111
100 - 1000 kPa
max. +65°C



mpi.oras.com/4757

4792

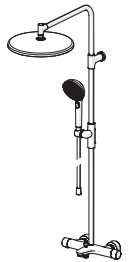
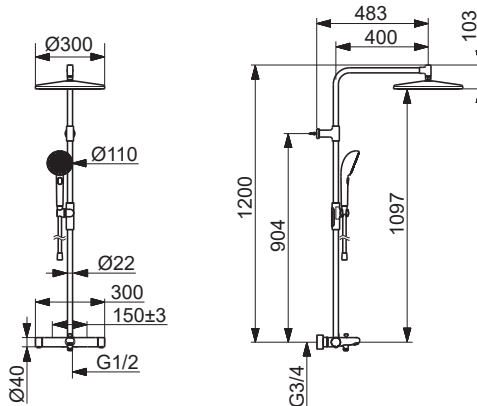
I (ISO 3822)
EN1111
100 - 1000 kPa
max. +65°C



mpi.oras.com/4792

4793

I (ISO 3822)
EN1111
100 - 1000 kPa
max. +65°C

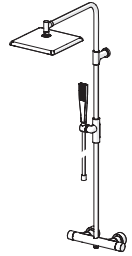
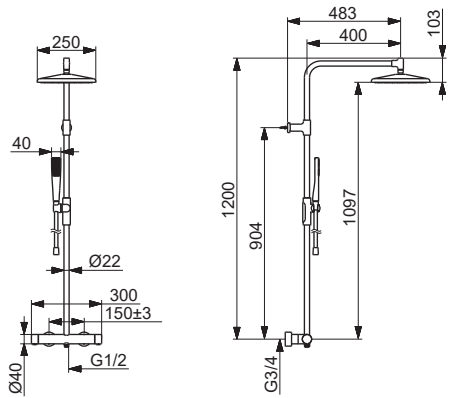


mpi.oras.com/4793

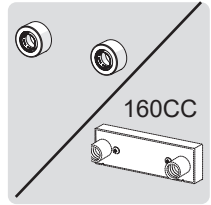
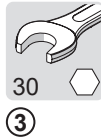
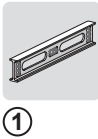
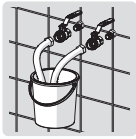
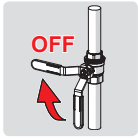


4796

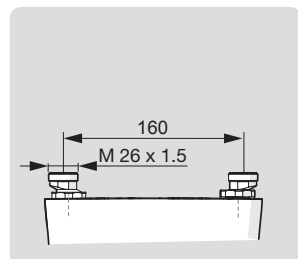
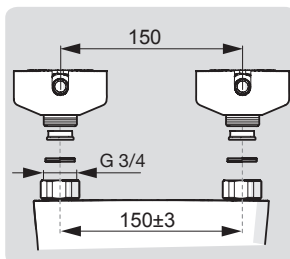
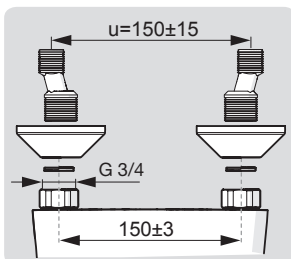
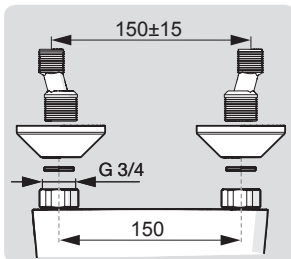
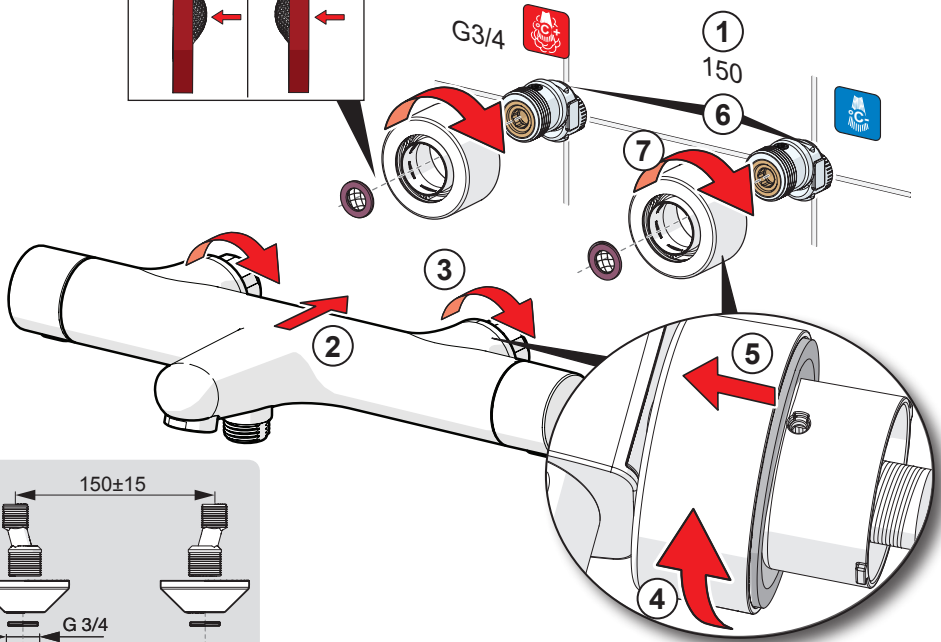
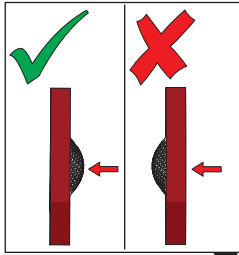
I (ISO 3822)
EN1111
100 - 1000 kPa
max. +65°C

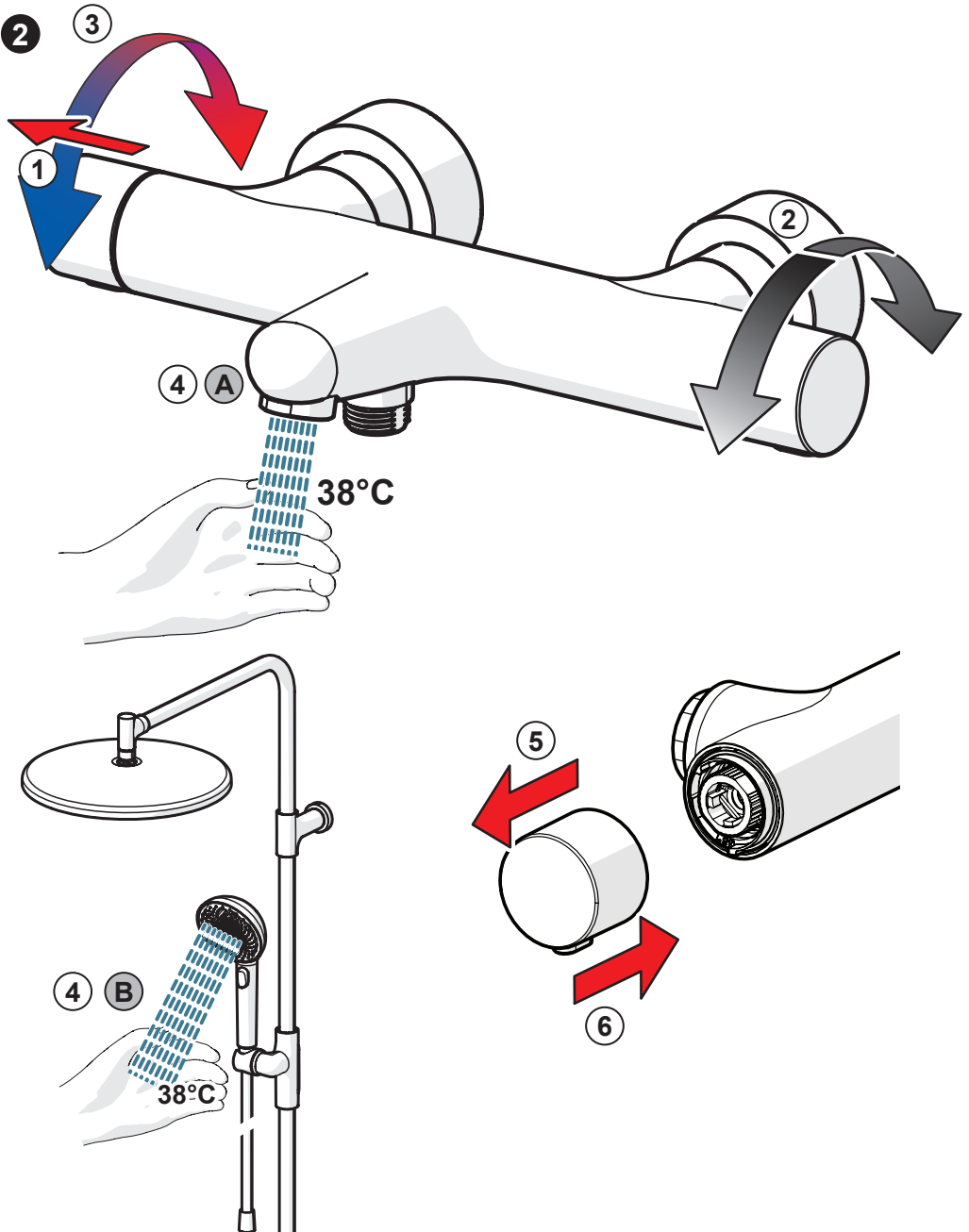


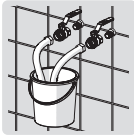
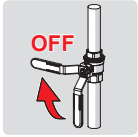
mpi.oras.com/4796



1







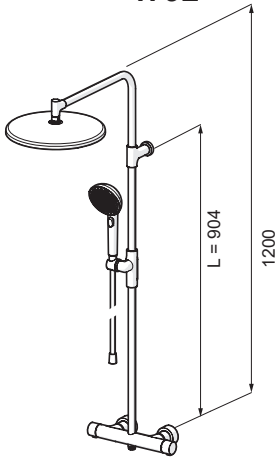
1

1

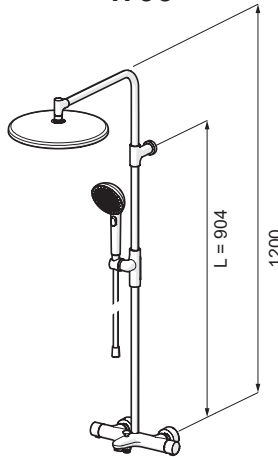
max.
1600 kPa

1 L 1

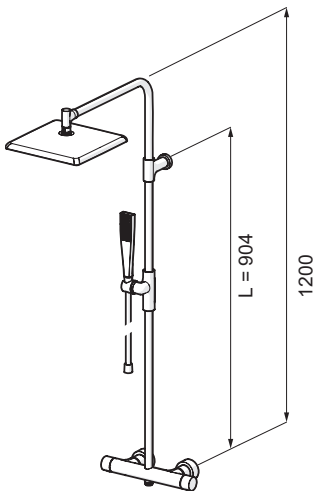
4792



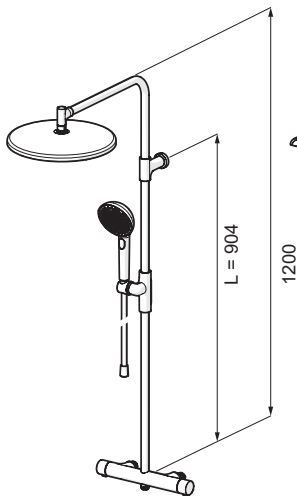
4793



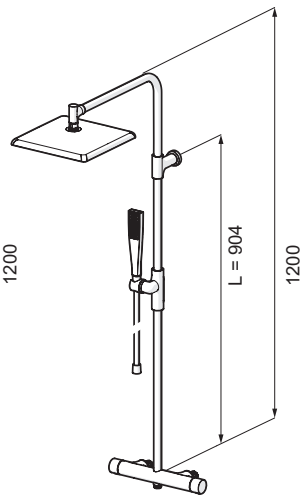
4796



4756



4757



A x 2

B x 2

C x 2

D x 1

E x 1

F x 1

G x 1



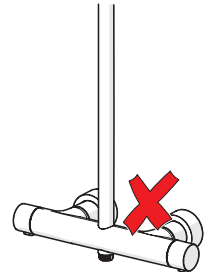
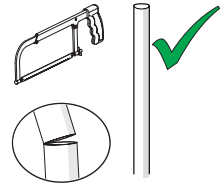
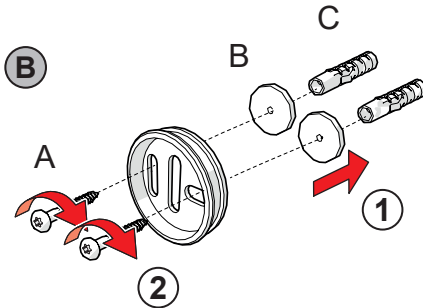
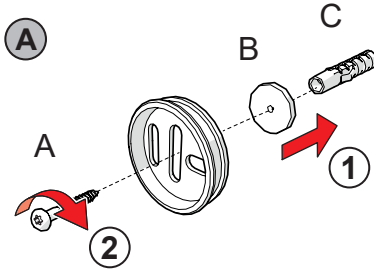
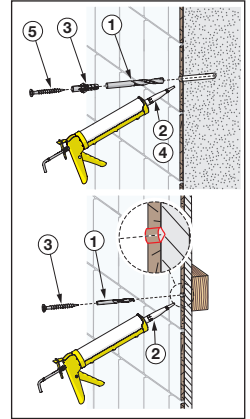
2

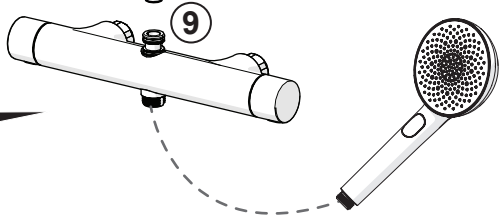
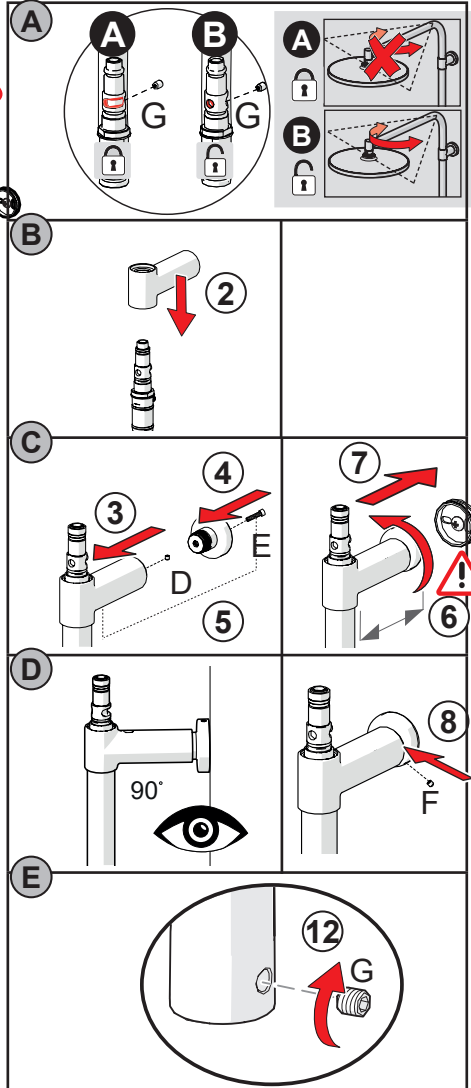
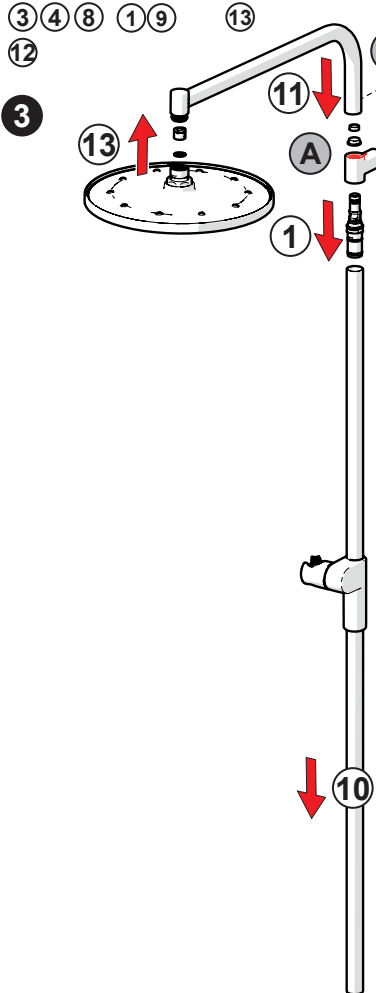
2

2

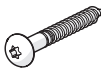



L

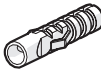




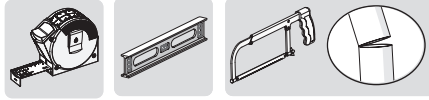


A  x 2

B  x 2

C  x 2

D  x 2



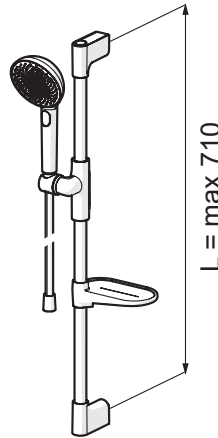
1

1

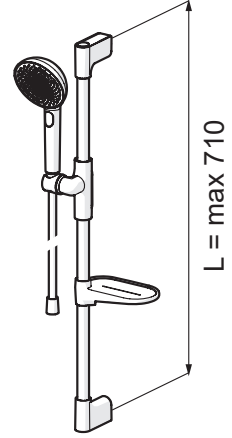
4759

4769

1

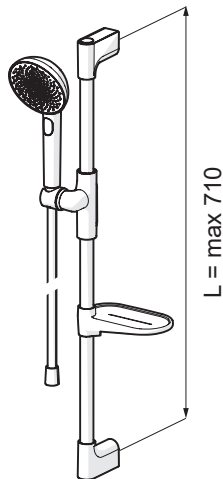


L = max 710

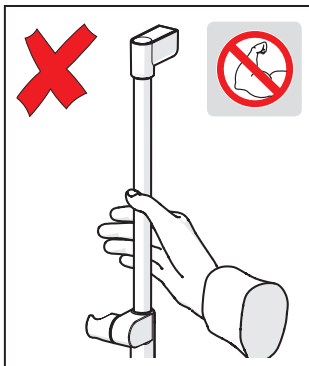


L = max 710

4790



L = max 710

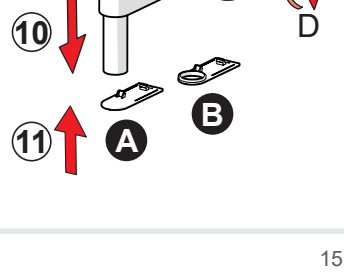
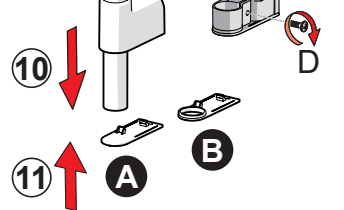
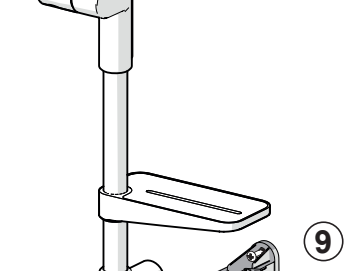
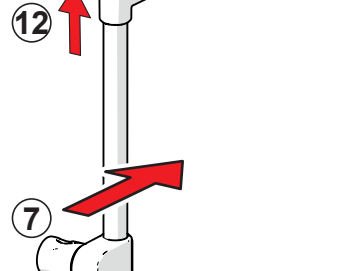
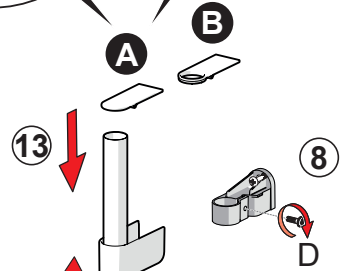
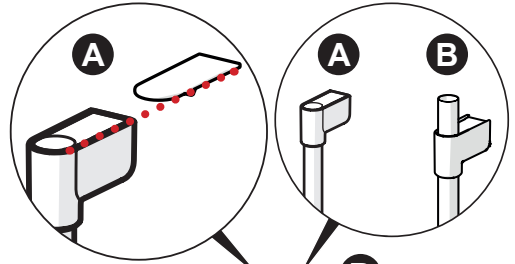
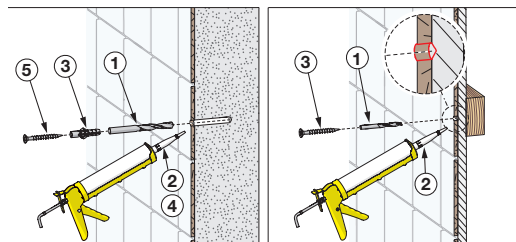
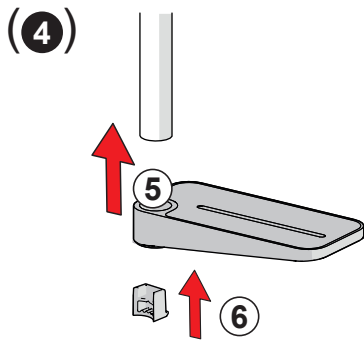
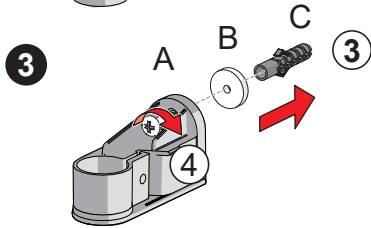
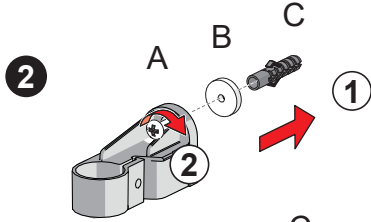


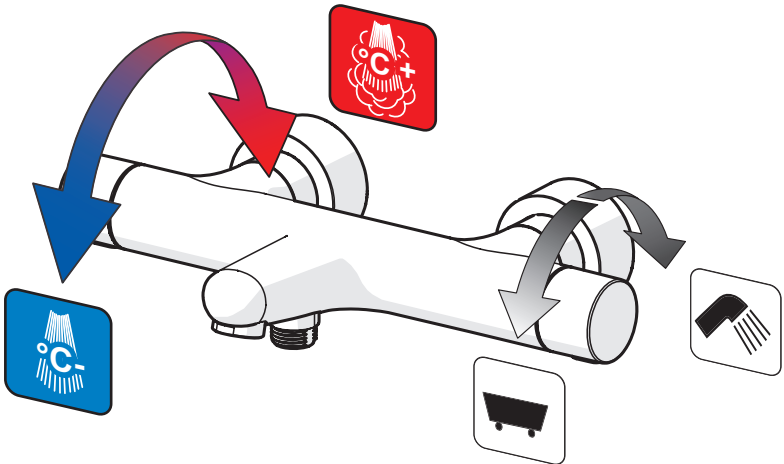
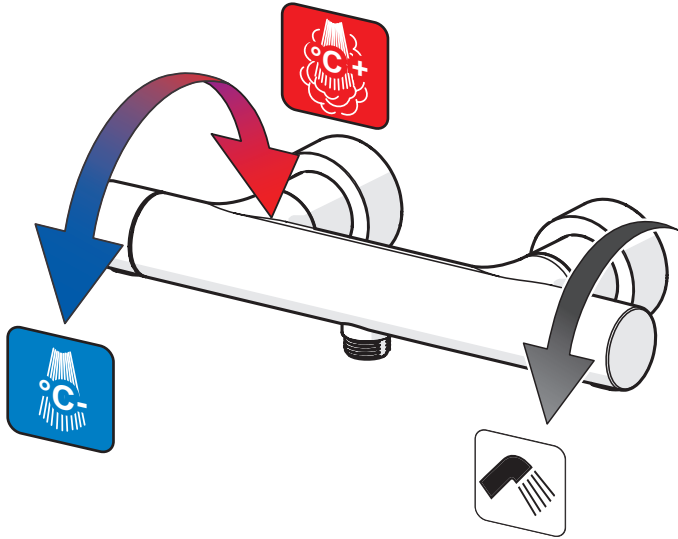


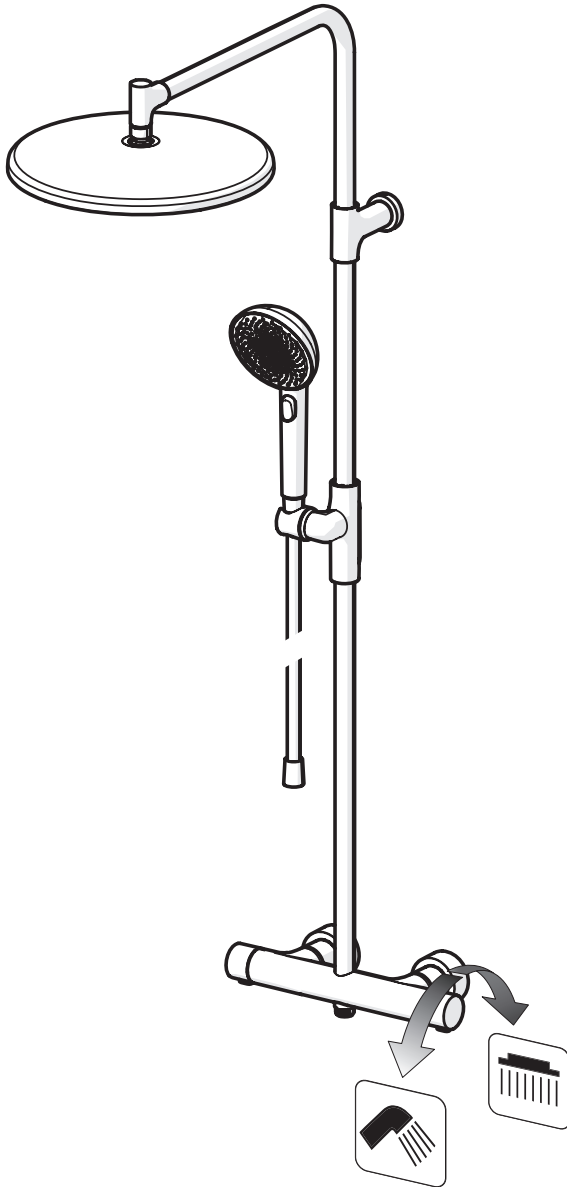
2 3

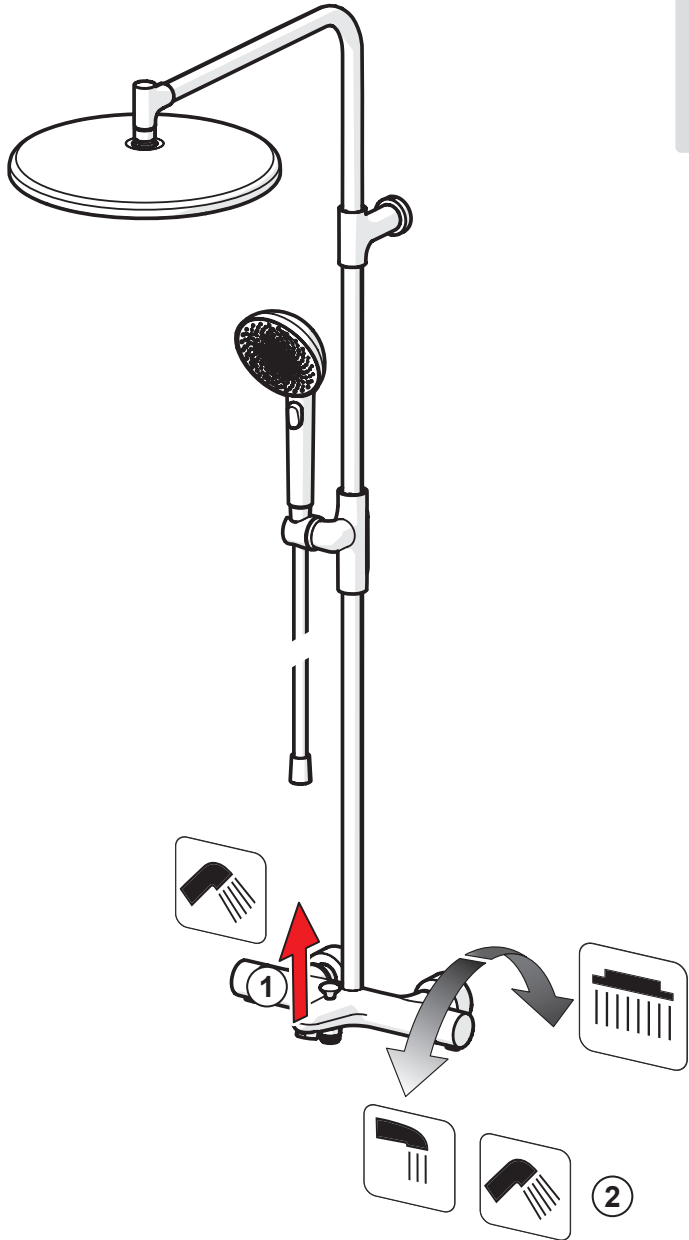


2 8 9





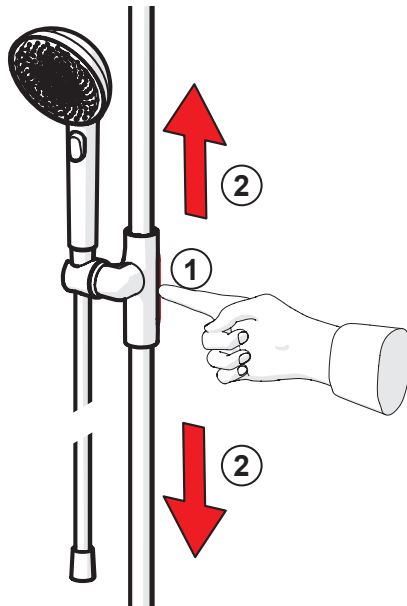
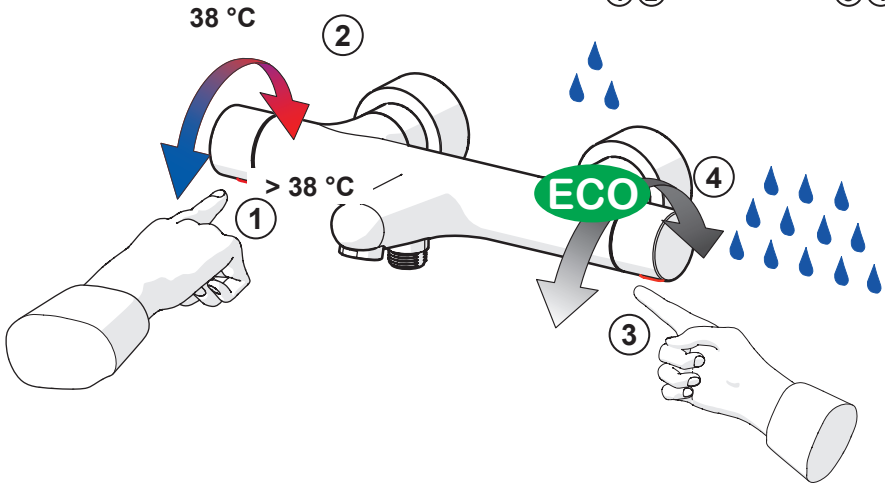






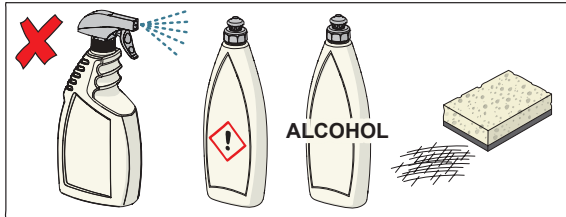
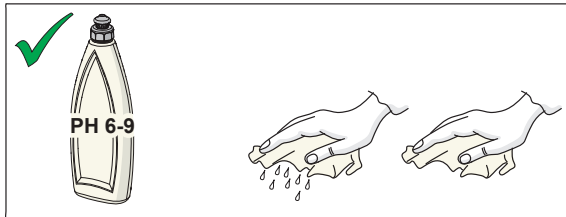
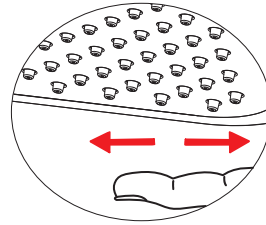
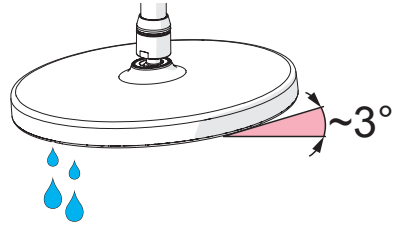
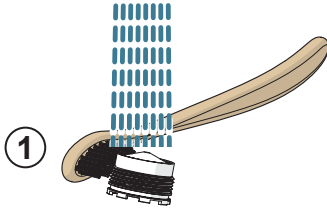
① ②

③ ④





①



cleaning.oras.com

About Oras Group

Oras Group is a significant European provider of sanitary fittings: the market leader in the Nordics and a leading company in Continental Europe.

The company's mission is to create the smartest water experiences for everyone and its vision is to become the Perfect Flow Company.

The Group has two strong brands, Oras and Hansa. Oras Group is owned by Oras Invest, a family company, and an industrial owner.

The domicile of Oras Ltd, the parent company of the Group, is located in Rauma, Finland, and the Group has three manufacturing sites: Kralovice (Czech Republic), Olesno (Poland) and Rauma (Finland).

The Group operates with its own staff in 17 markets. Oras Group's net sales were 233.5 million euros in 2021 and at the end of the period the company employed 1255 people.

ORAS Ltd
Isometsäntie 2, P.O. Box 40
FI-26101 Rauma
Tel. +358 2 83 161
Fax +358 2 831 6300
info.finland@oras.com
www.oras.com



943529-04-24