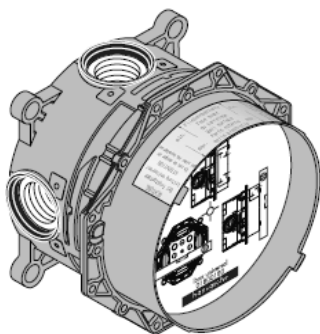


# Monteringsvejledning

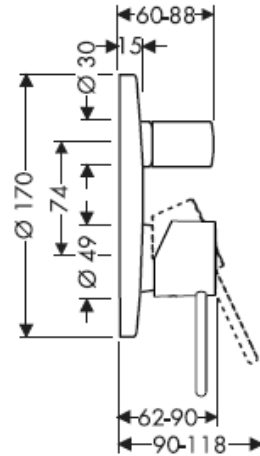


**ibox universal**

**hansgrohe**

**Kararmaturer**

Starck	10415XXX/10416XXX
Starck X	10445000
Massaud	18455000
Carlton	17415XXX
Steel	35425800
Terrano	37455XXX
Uno	38405XXX/38415XXX
Uno <sup>2</sup>	38425XXX
Citterio	39455XXX
Citterio M	34425000
Metropol E	14475000
Metris E	31475000
Focus E	31744000

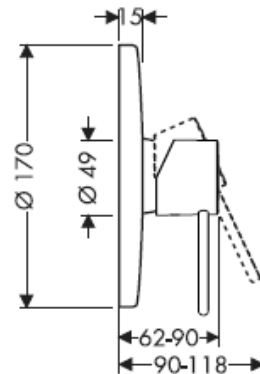


**Kararmatur med integreret sikkerhedskombination.**

Starck	10417XXX/10418XXX
Starck X	10447000
Massaud	18457000
Carlton	17417XXX
Steel	35427800
Terrano	37417XXX
Uno	38407XXX/38417XXX
Uno <sup>2</sup>	38427XXX
Citterio	39457XXX
Citterio M	34427000
Metropol E	14477000
Metris E	31476000

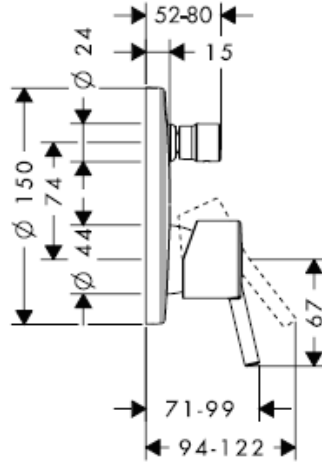
**Brusearmaturer**

Starck	10615XXX/10616XXX
Starck X	10645000
Massaud	18655000
Carlton	17615XXX
Steel	35625800
Terrano	37655XXX
Uno	38605XXX/38615XXX
Uno <sup>2</sup>	38625XXX
Citterio	39655XXX
Citterio M	34625000
Metropol E	14675000
Metris E	31675000
Focus E	31761000



**Kararmaturer**

Metropol S	14465000
Metris S	31465000
Talis S / Talis S <sup>2</sup>	32475000
Talis E <sup>2</sup>	31645000
Talis Classic	14145XXX
Focus S	31743000

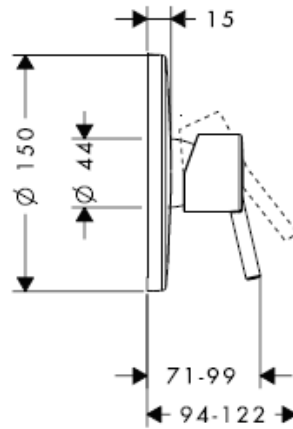


**Kararmatur med integreret sikkerhedskombination.**

Metropol S	14466000
Metris S	31466000
Talis S / Talis S <sup>2</sup>	32477000
Talis E <sup>2</sup>	31646000
Talis Classic	14146XXX

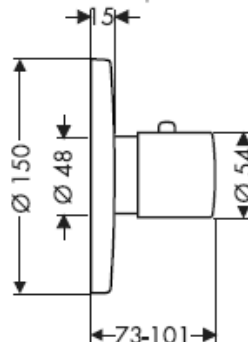
**Brusearmaturer**

Metropol S	14665000
Metris S	31665000
Talis S / Talis S <sup>2</sup>	32675000
Talis E <sup>2</sup>	31666000
Talis Classic	14165XXX
Focus S	31763000



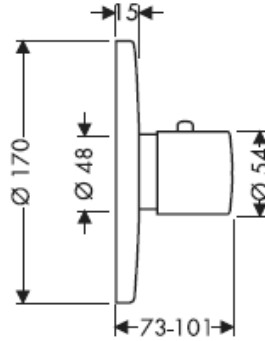
**Termostat High Flow**

Metropol E + S /	
Metris E + S	
Focus E + S	
Talis E <sup>2</sup> + S + S <sup>2</sup> + Classic	15715XXX
Raindance Royale	
High Flow Set	27070000



**Termostat**

Starck	10710XXX
Starck X	10716000
Massaud	18740000
Carlton	17710XXX/17715XXX
Steel	35710800
Terrano	37710XXX/37715XXX
Montreux	16810XXX
Uno / Uno <sup>2</sup>	38375XXX
Citterio	39710XXX/39715XXX
Citterio	34715000
Metropol E + S/Metris E + S/	
Talis E <sup>2</sup> + S + S <sup>2</sup> + Classic/	

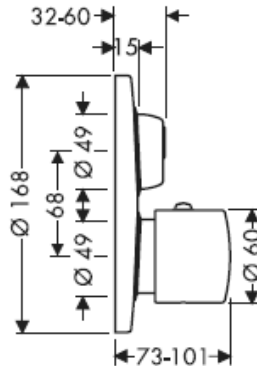


**Termostat High Flow**

Starck	10715XXX
Starck X	10717000
Massaud	18741000
Carlton	17712XXX/17716XXX
Steel	35715800
Terrano	37711XXX/37716XXX
Montreux	16815XXX
Uno / Uno <sup>2</sup>	38715XXX
Citterio	39711000/39716000
Citterio M	34716000

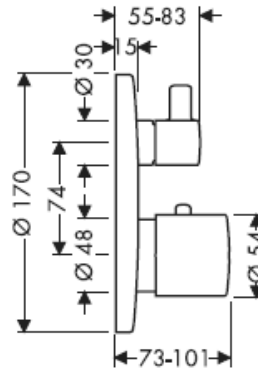
**Brusetermostat med elektronisk start-/stopknap.**

15740XXX



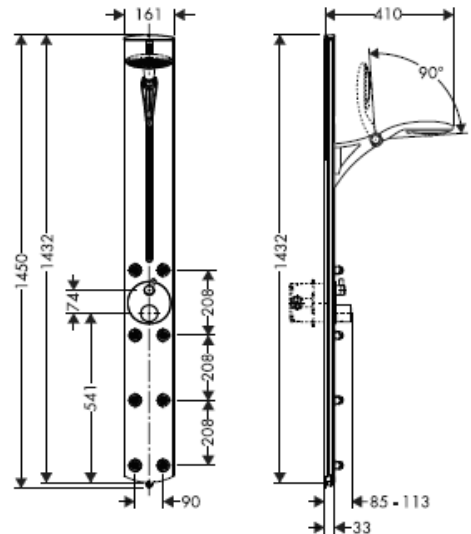
**Termostat med afspæringsventil**

Starck	10700XXX
Starck X	10706000
Massaud	18745000
Carlton	17700XXX/17705XXX
Steel	35700800
Terrano	37700XXX/37705XXX
Montreux	16800XXX
Uno / Uno <sup>2</sup>	38700XXX
Citterio	39700000/39705000
Citterio M	34705000
Metropol E + S/Metris E + S/	
Focus E + S	
Talis E <sup>2</sup> + S + S <sup>2</sup> + Classic	15700XXX



**Termostat med afspæringsventil og omskifter**

Starck	10720XXX
Starck X	10726000
Massaud	18750000
Carlton	17720XXX/17725XXX
Steel	35720800
Terrano	37720XXX/37725XXX
Montreux	16820XXX
Uno / Uno <sup>2</sup>	38720XXX
Citterio	39720XXX/39725XXX
Citterio M	34725000
Metropol E + S / Metris E + S/	
Focus E + S /	
Talis E <sup>2</sup> + S <sup>2</sup> + S + Classic	15720XXX

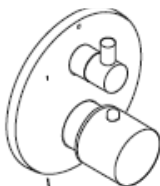


**Raindance brusepanel**

27100XXX

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Termostat med afspæringsventil og omskifter (se s. 12, 22, 24, 34)



Termostat (se s. 26, 28, 32, 36, 38)



Brusetermostat med elektronisk start-/stopknap. (se s. 20)



Termostat High Flow (se s. 42 - 60)

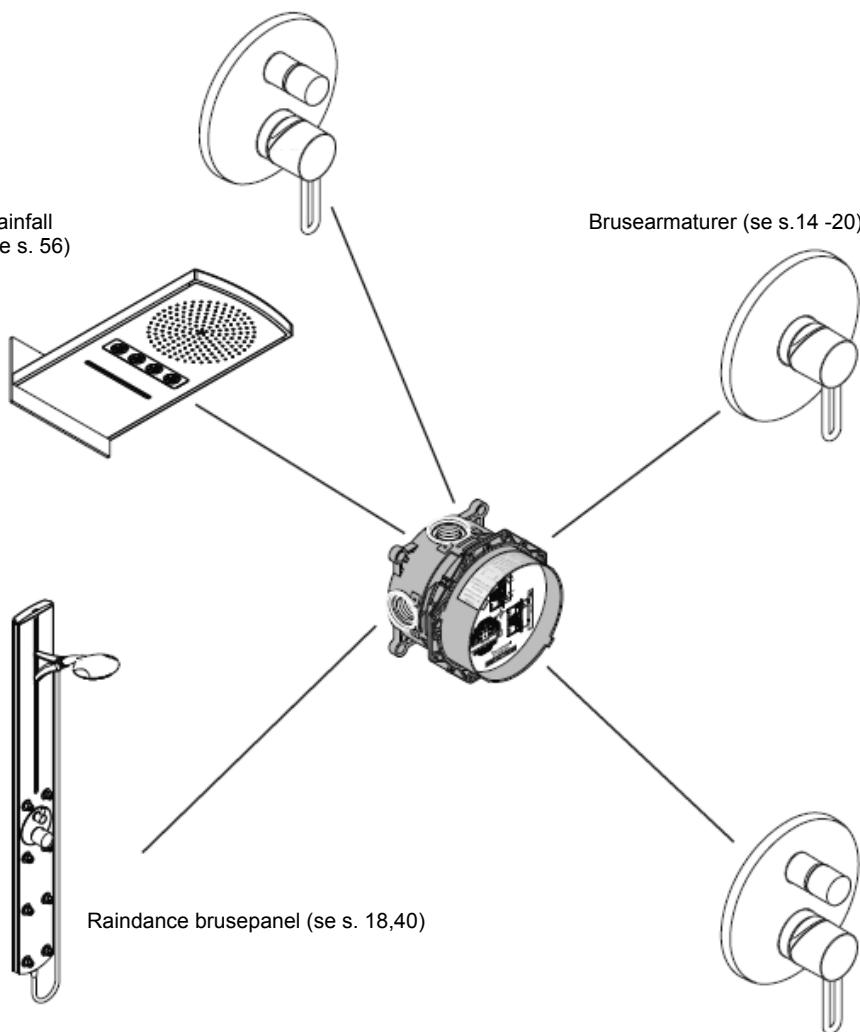


Termostat med afspæringsventil (se s. 14, 16, 18, 30)

Kararmaturer (se s. 12)

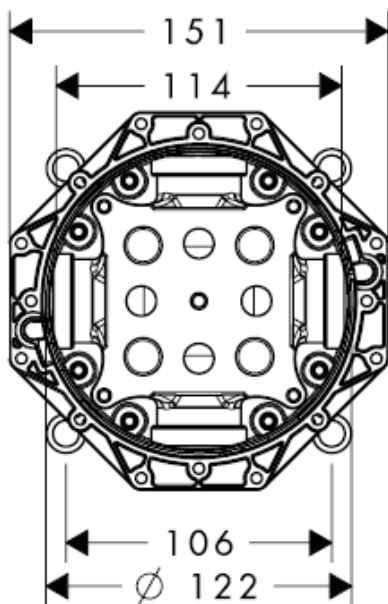
Rainfall  
(se s. 56)

Brusearmaturer (se s.14 -20)

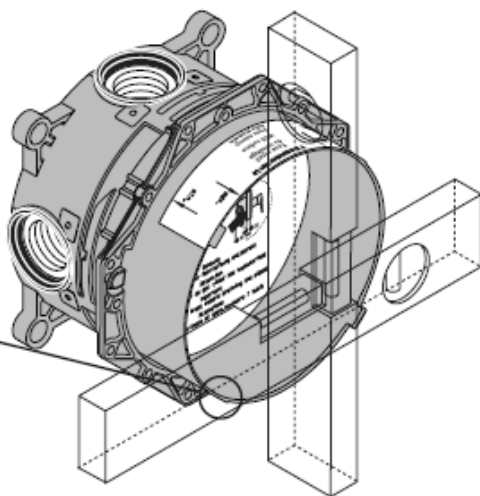
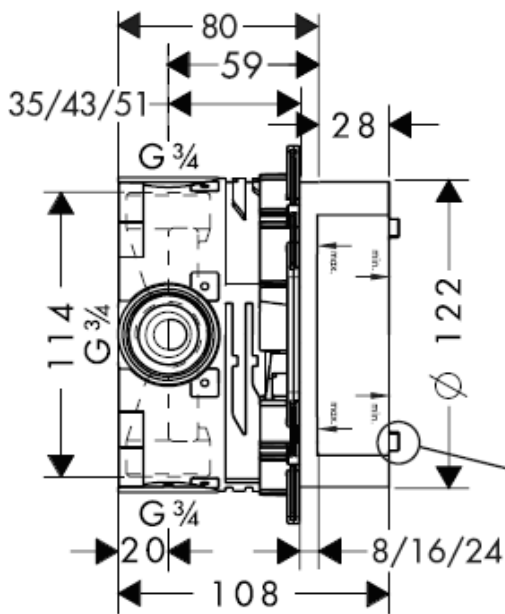


Raindance brusepanel (se s. 18,40)

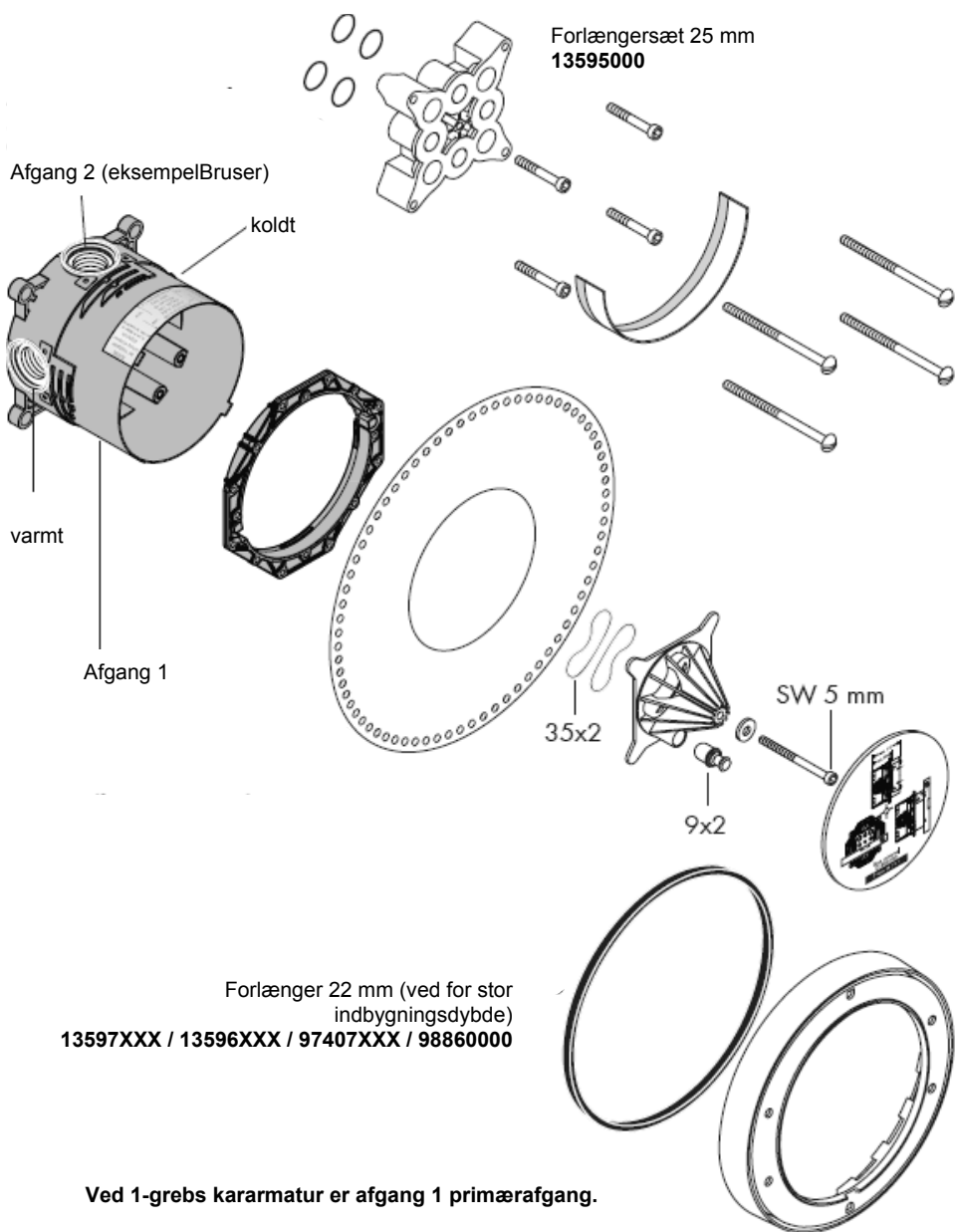
Kararmatur med integreret sikkerhedskombination. (se s. 10)



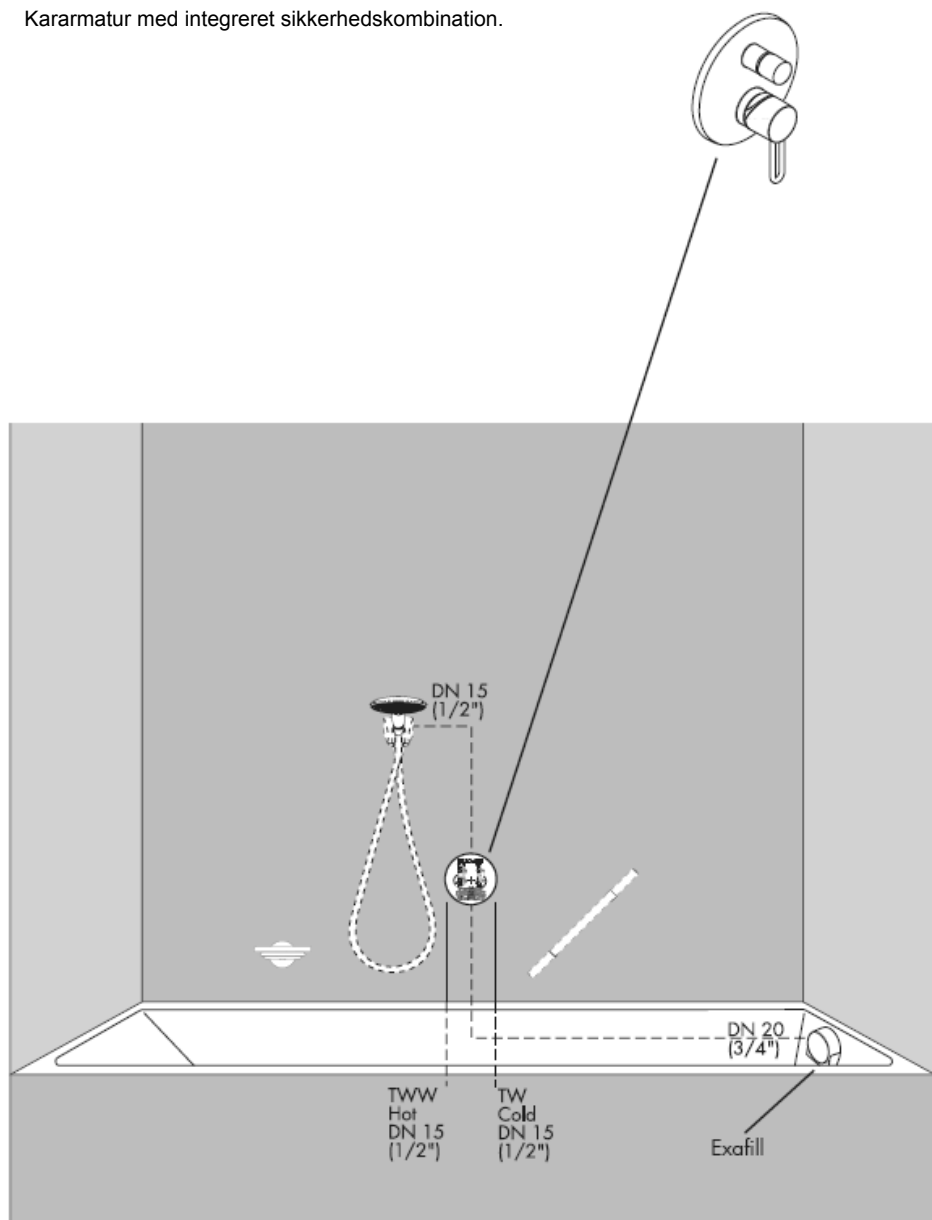
I-boxens grundkrop er universel – kan monteres horisontalt og vertikalt. Undtagelsen er dog ved montering af kar/brusearmaturet med integreret sikkerheds-kombination, her er kun den vertikale montering mulig.

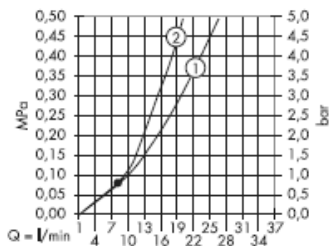






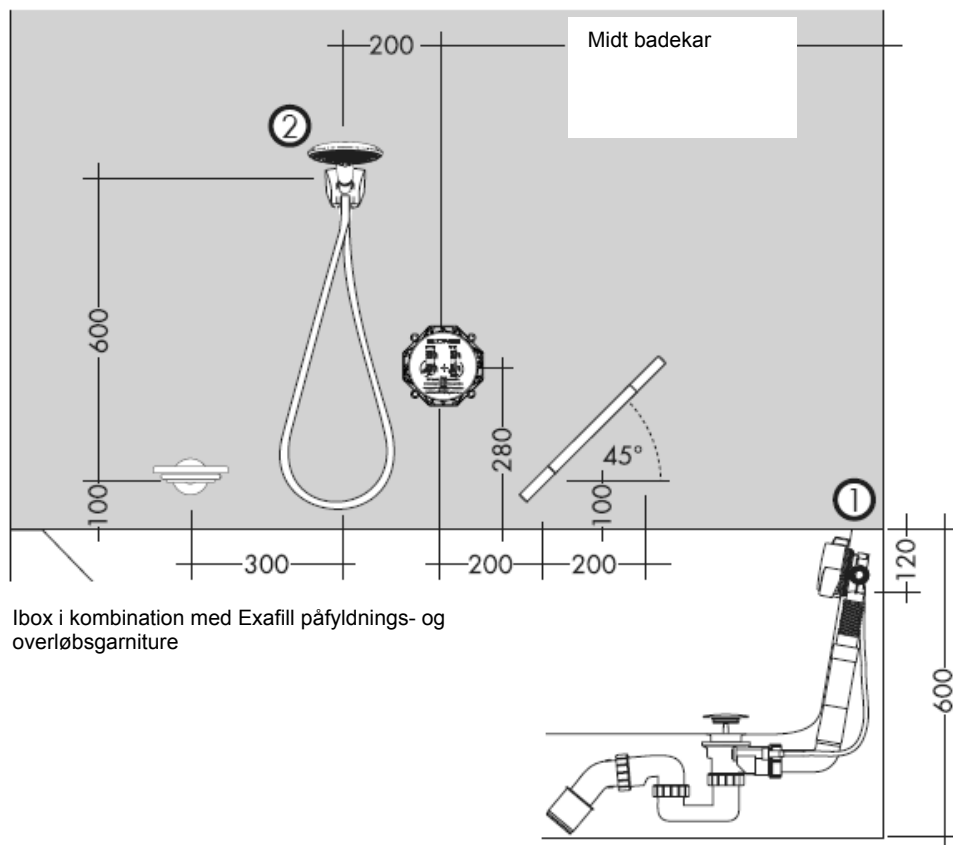
Kararmatur med integreret sikkerhedskombination.





Hvis der foreligger en defekt, kan der udræde vand på sikkerhedskombinationen!

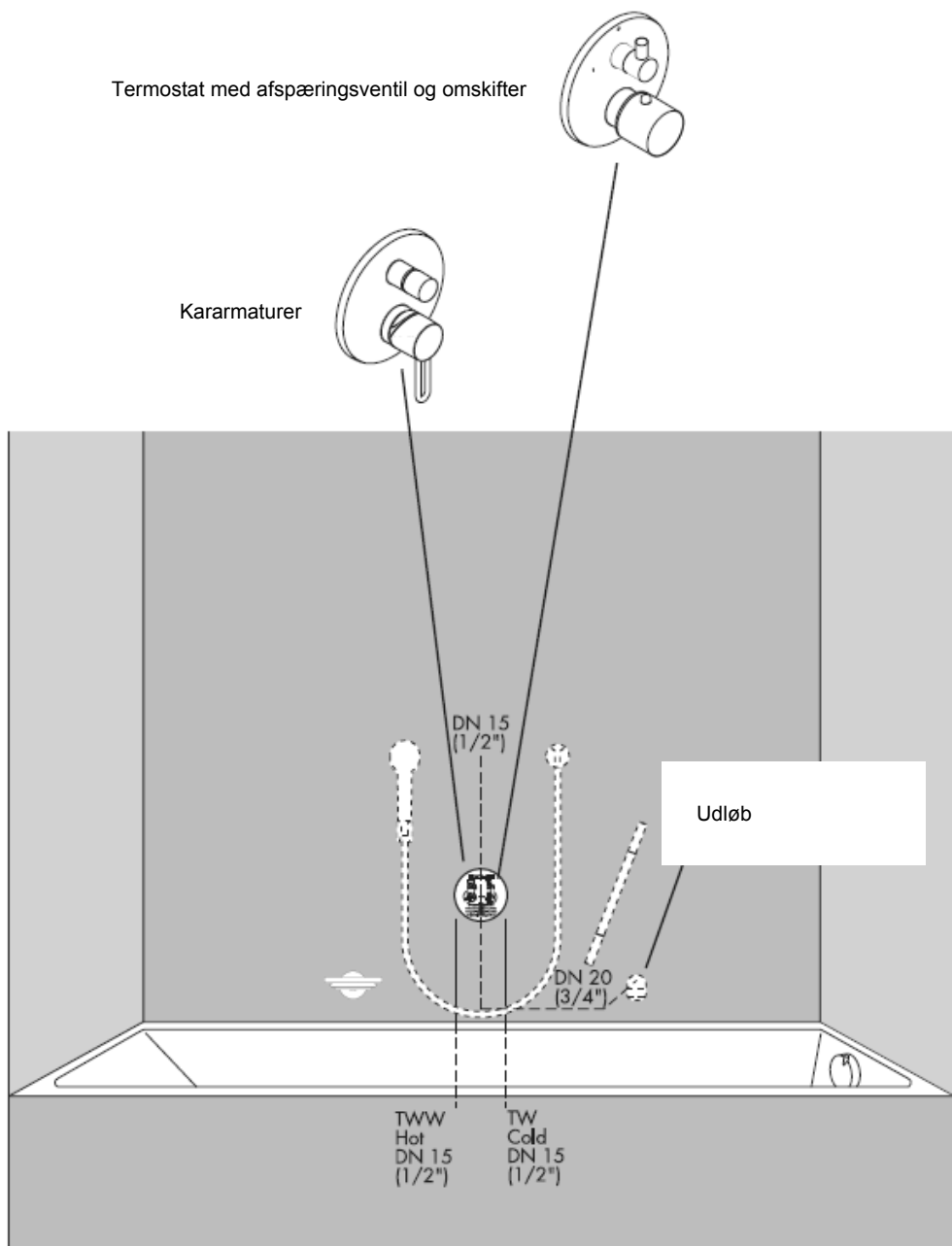
Fra • er funktionen anvendelig.

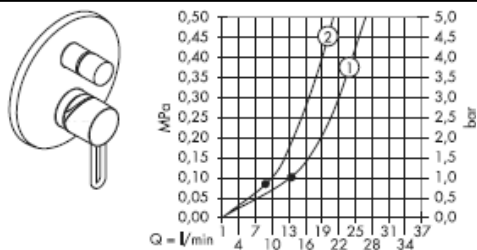
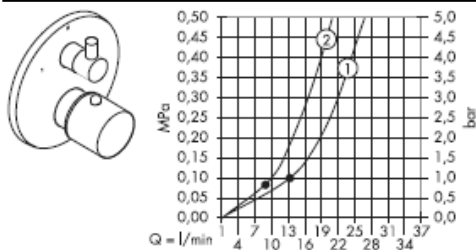


Ibox i kombination med Exafill påfyldnings- og overløbsgarnture

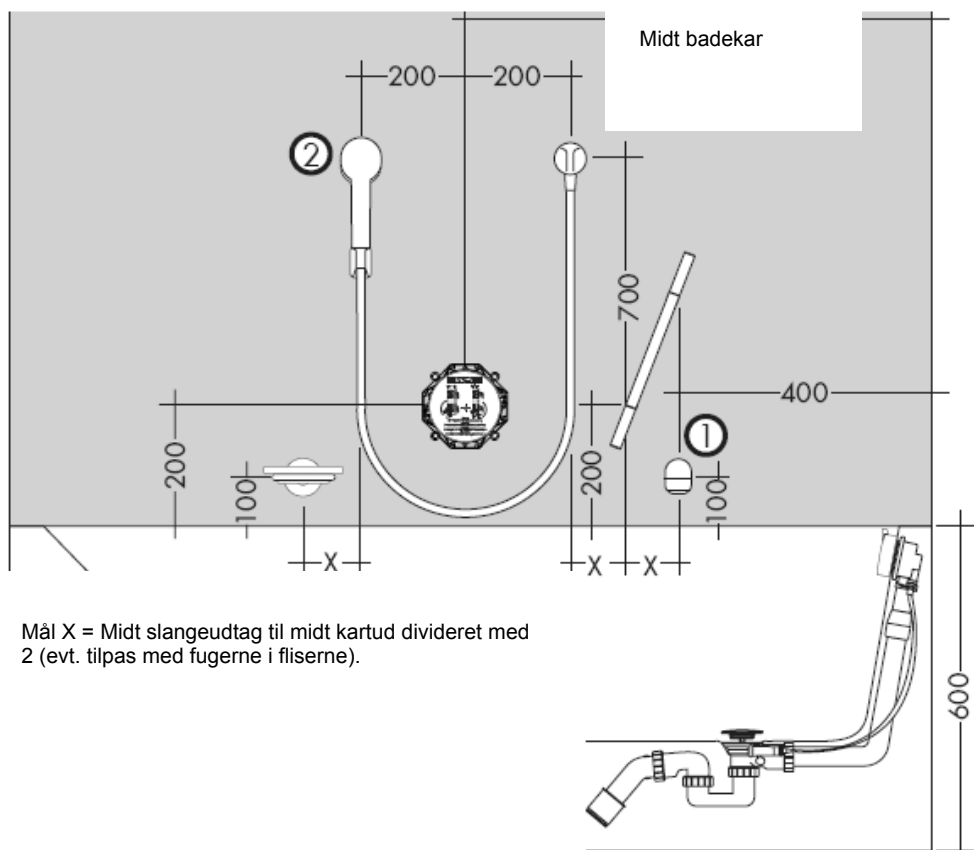
Termostat med afspæringsventil og omskifter

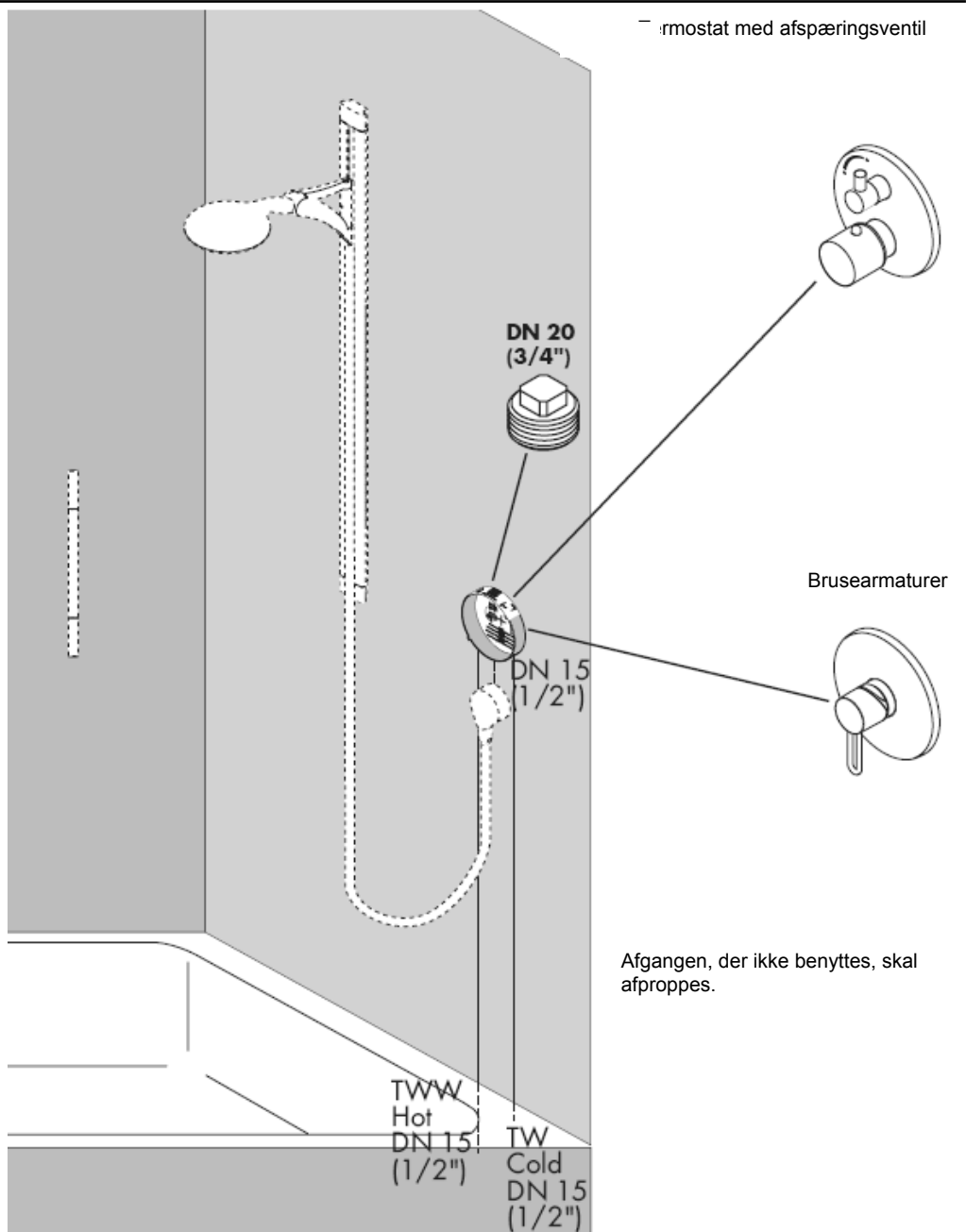
Kararmaturer

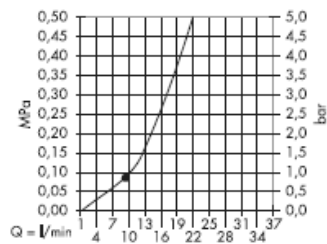
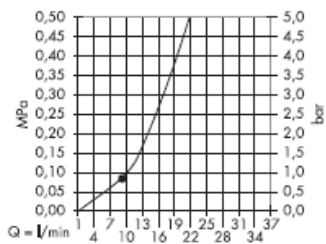




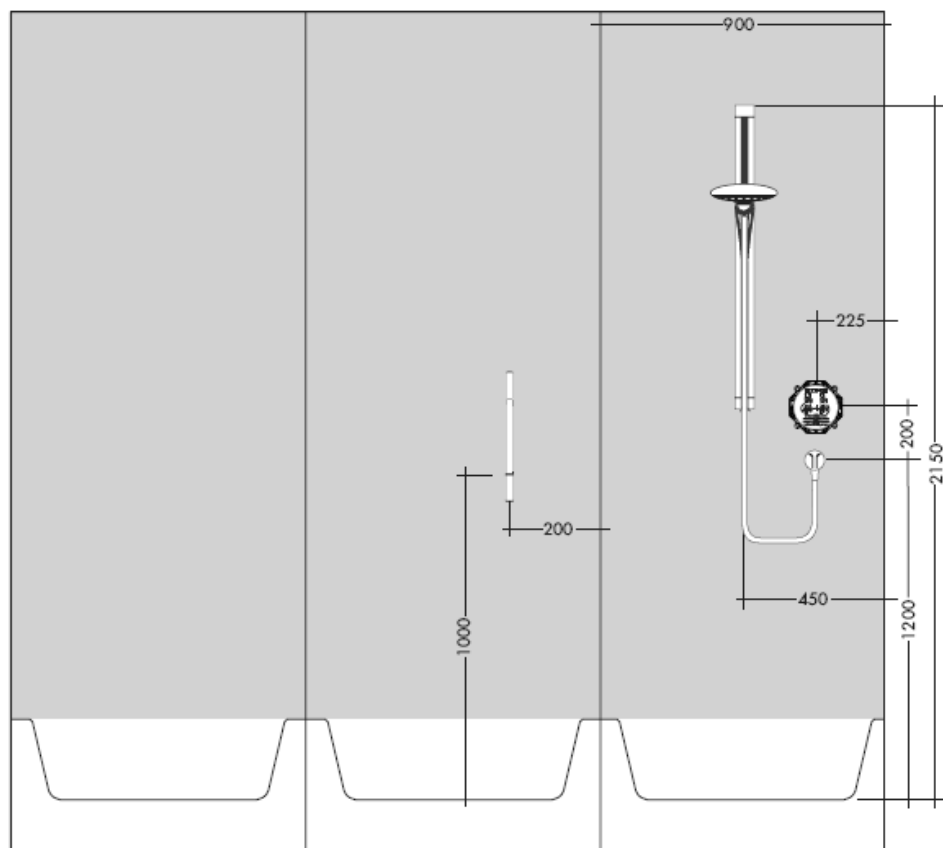
Fra • er funktionen anvendelig.

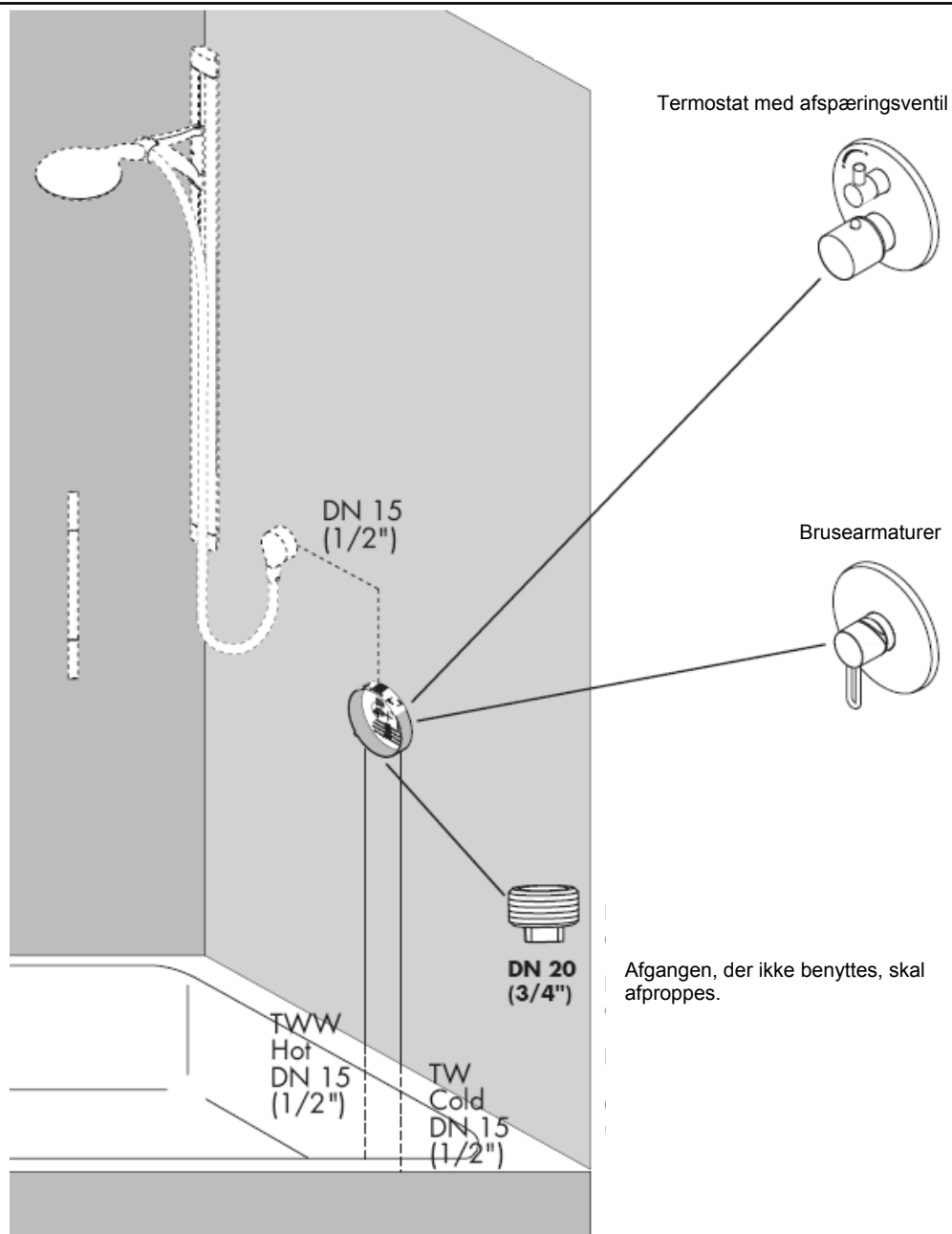




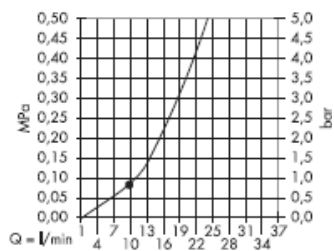
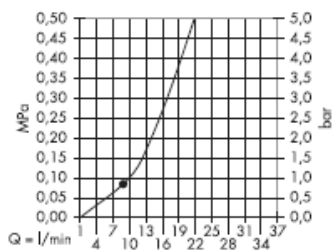


Fra • er funktionen anvendelig.

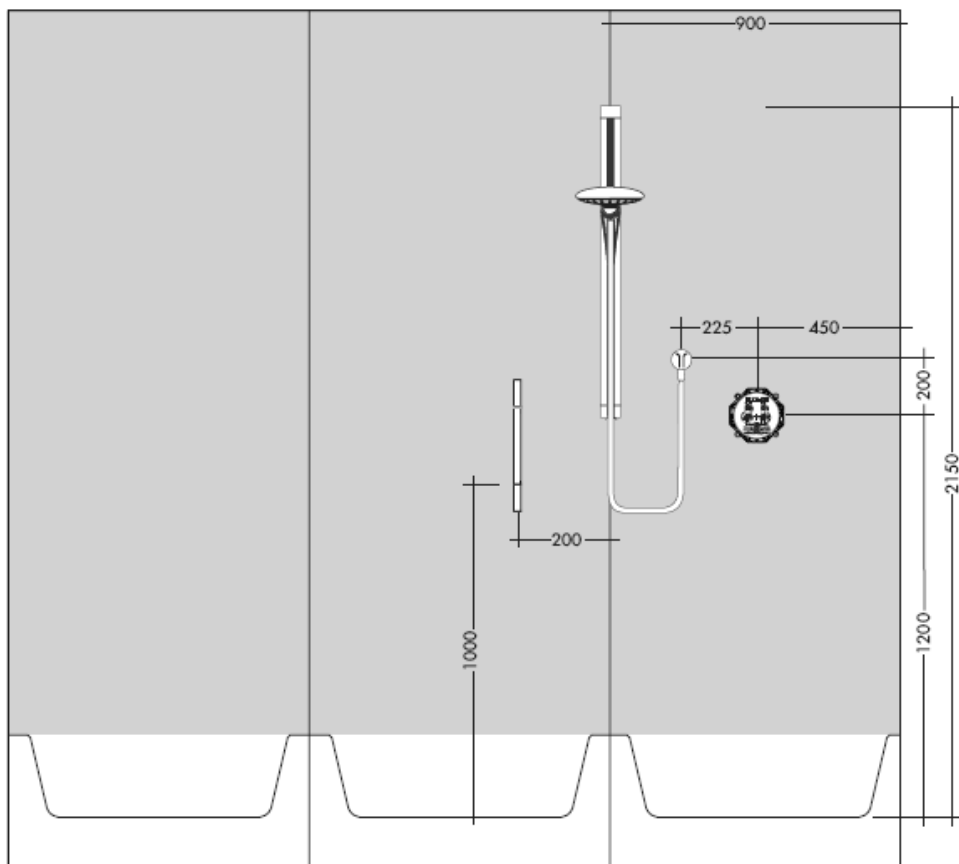


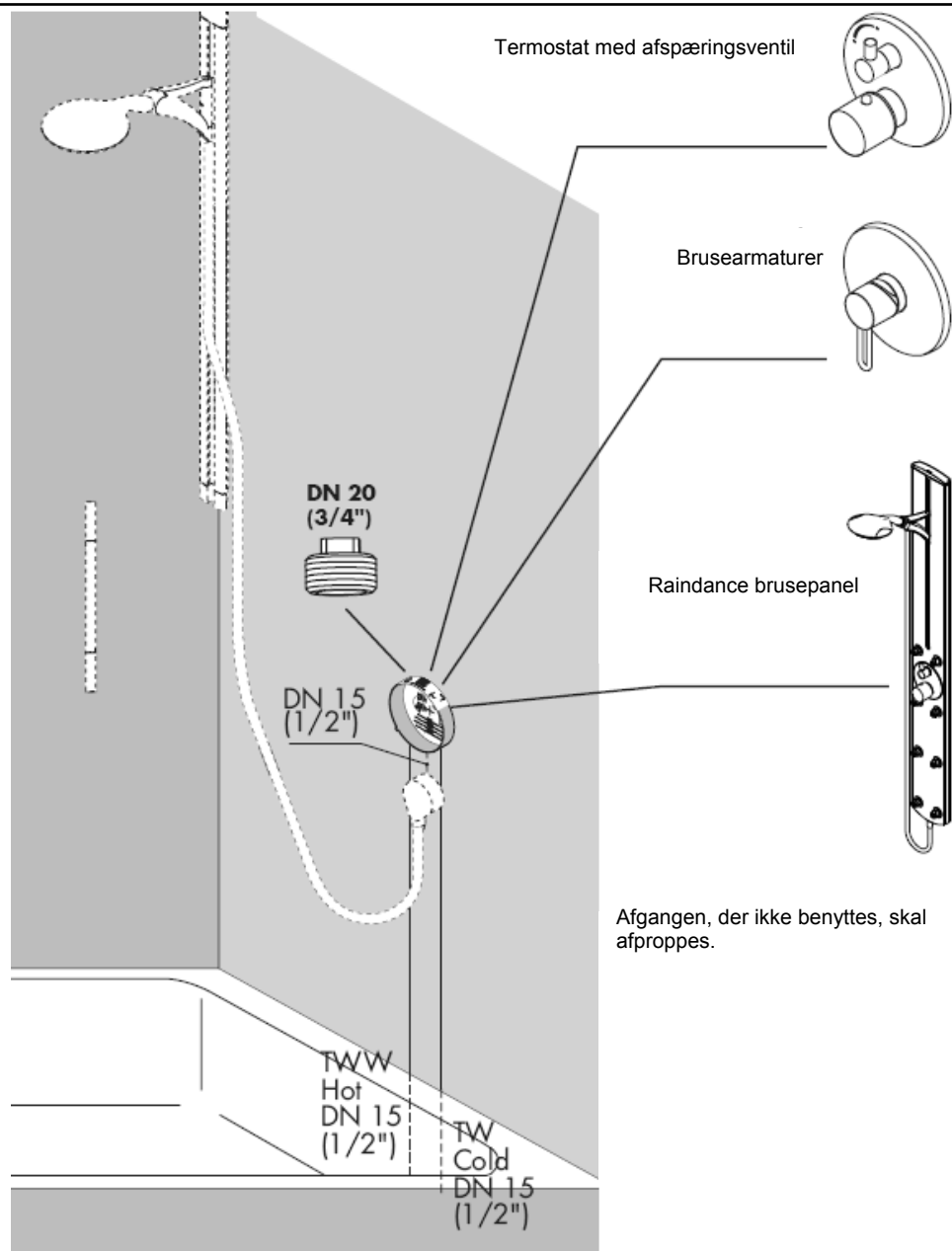


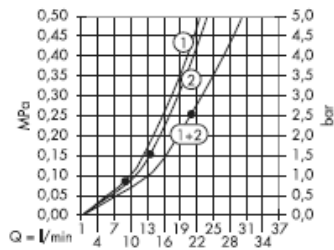
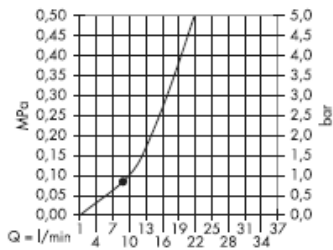




Fra • er funktionen anvendelig.

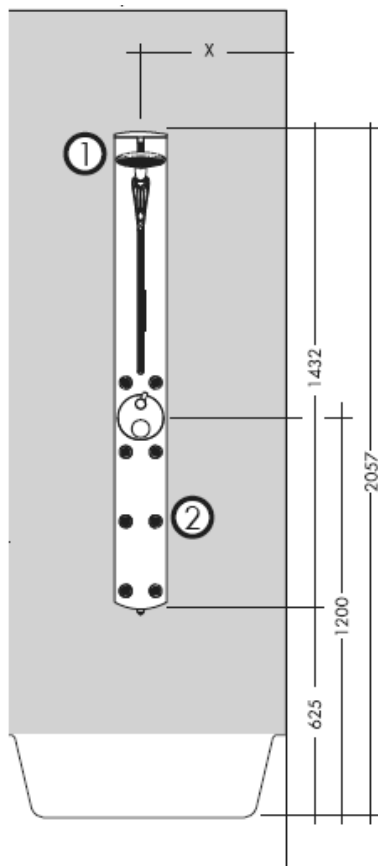
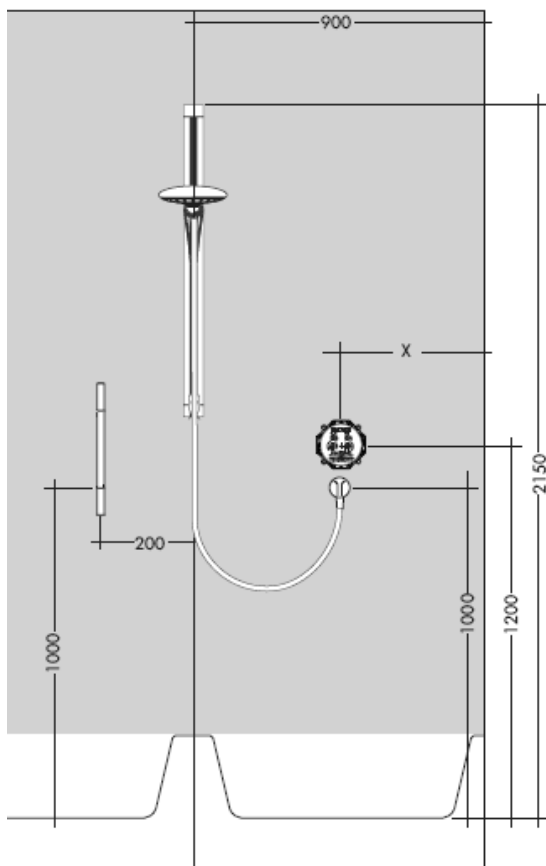






Fra • er funktionen anvendelig.

X = Midt brusekar



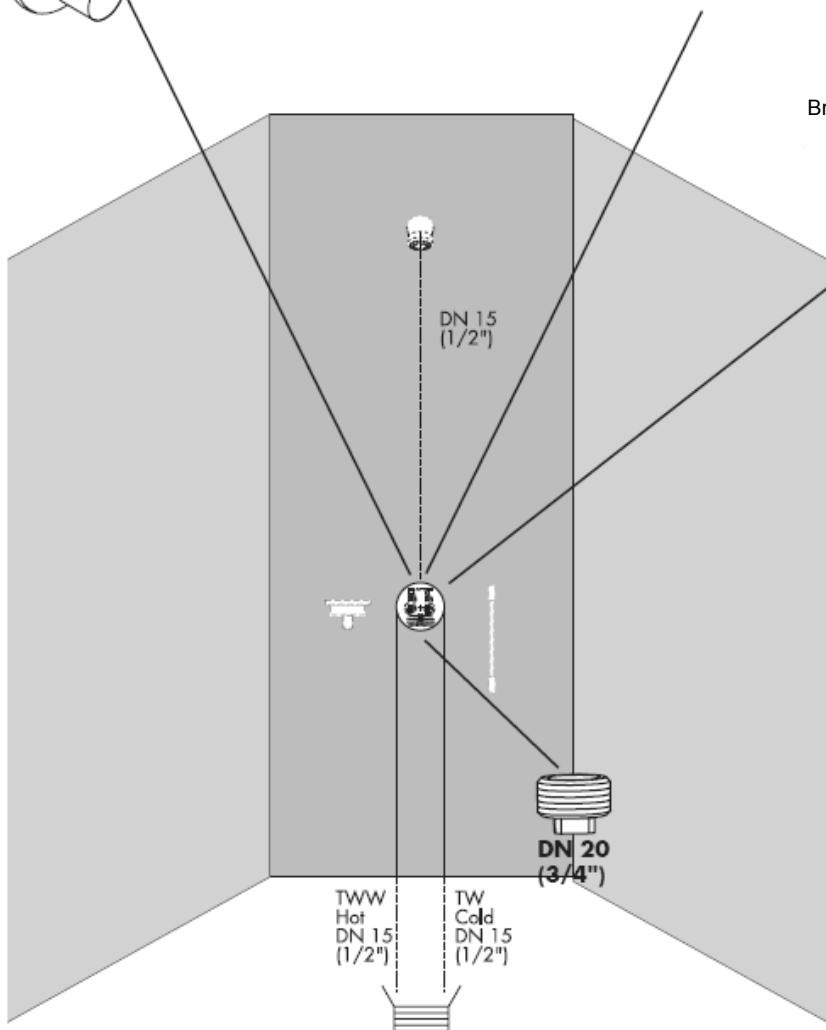
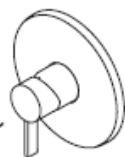
Brusetermostat med elektronisk start-/stopknop.



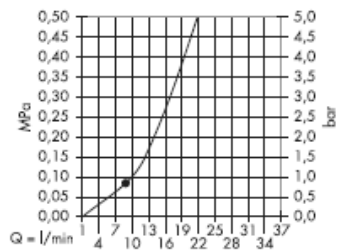
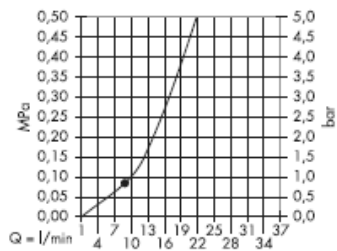
Termostat med afspæringsventil



Brusearmaturer

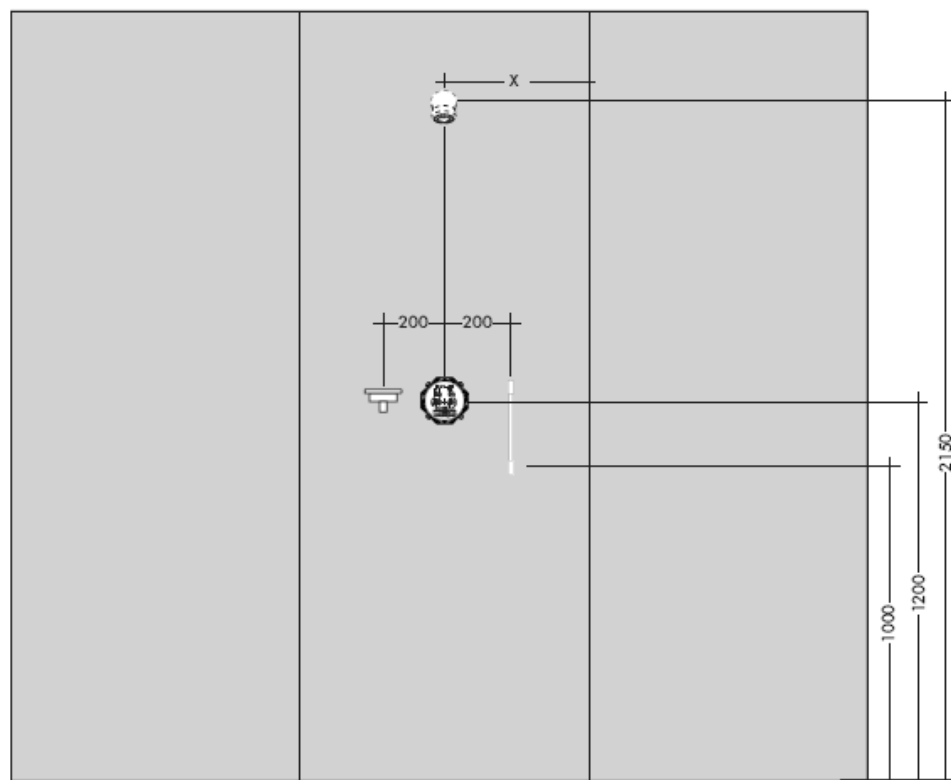


Afgangen, der ikke benyttes, skal afropes.

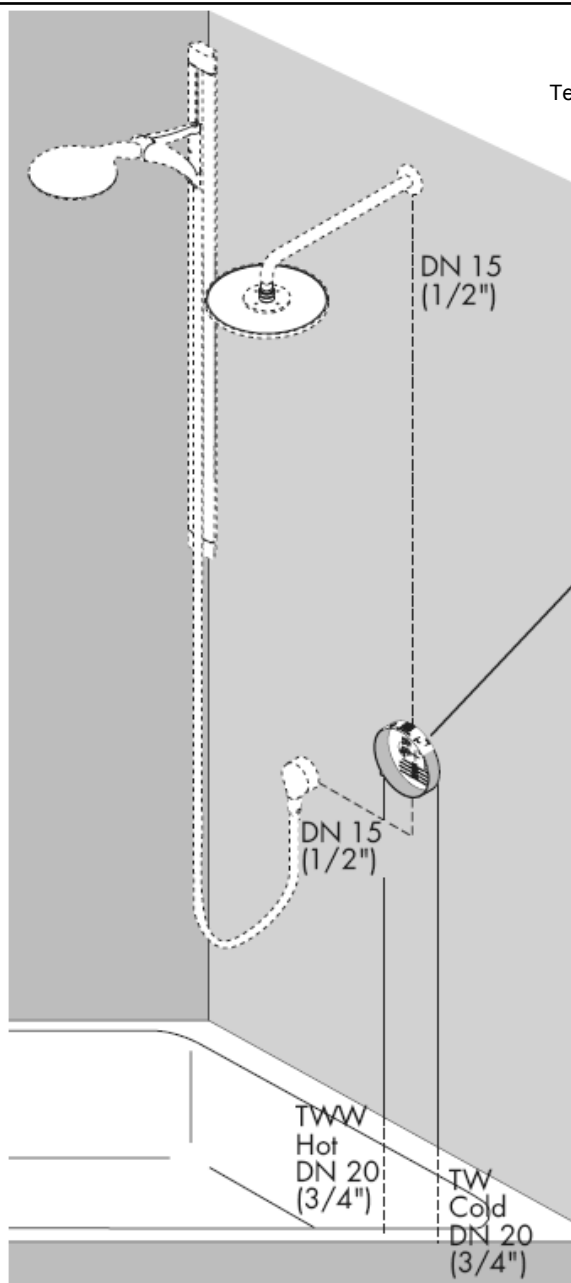


Fra • er funktionen anvendelig.

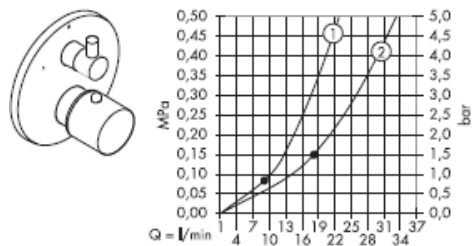
X = Midt brusekar



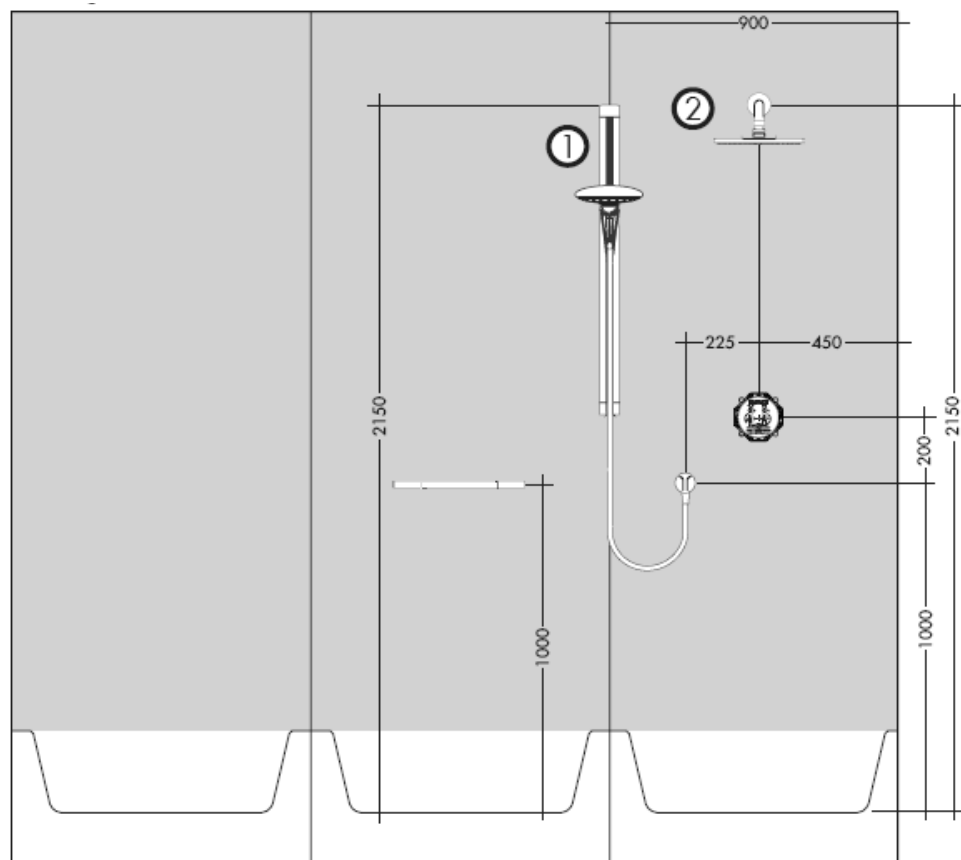
Termostat med afspæringsventil og omskifter



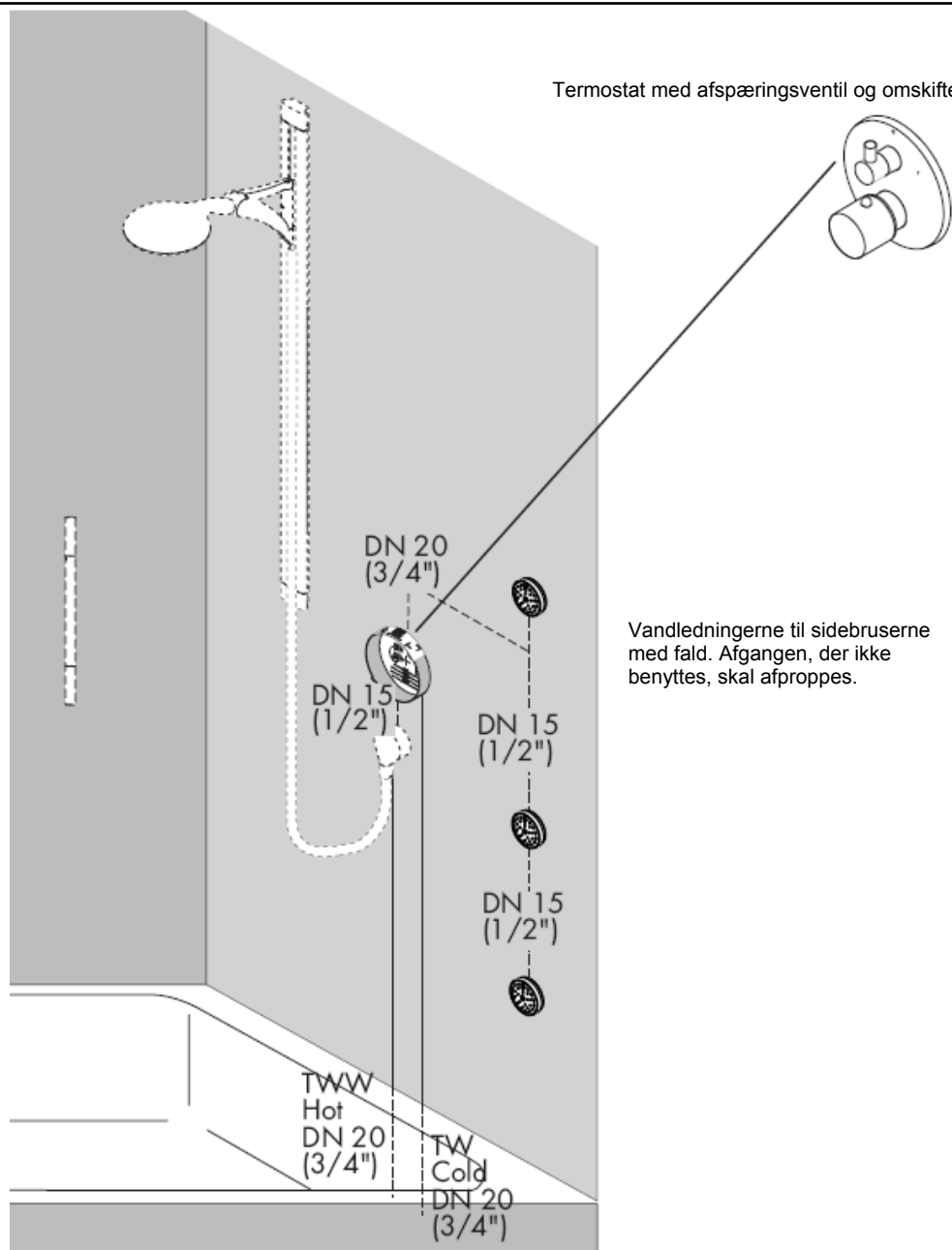
Det er kun muligt at benytte én funktion ad gangen.



Fra • er funktionen anvendelig.

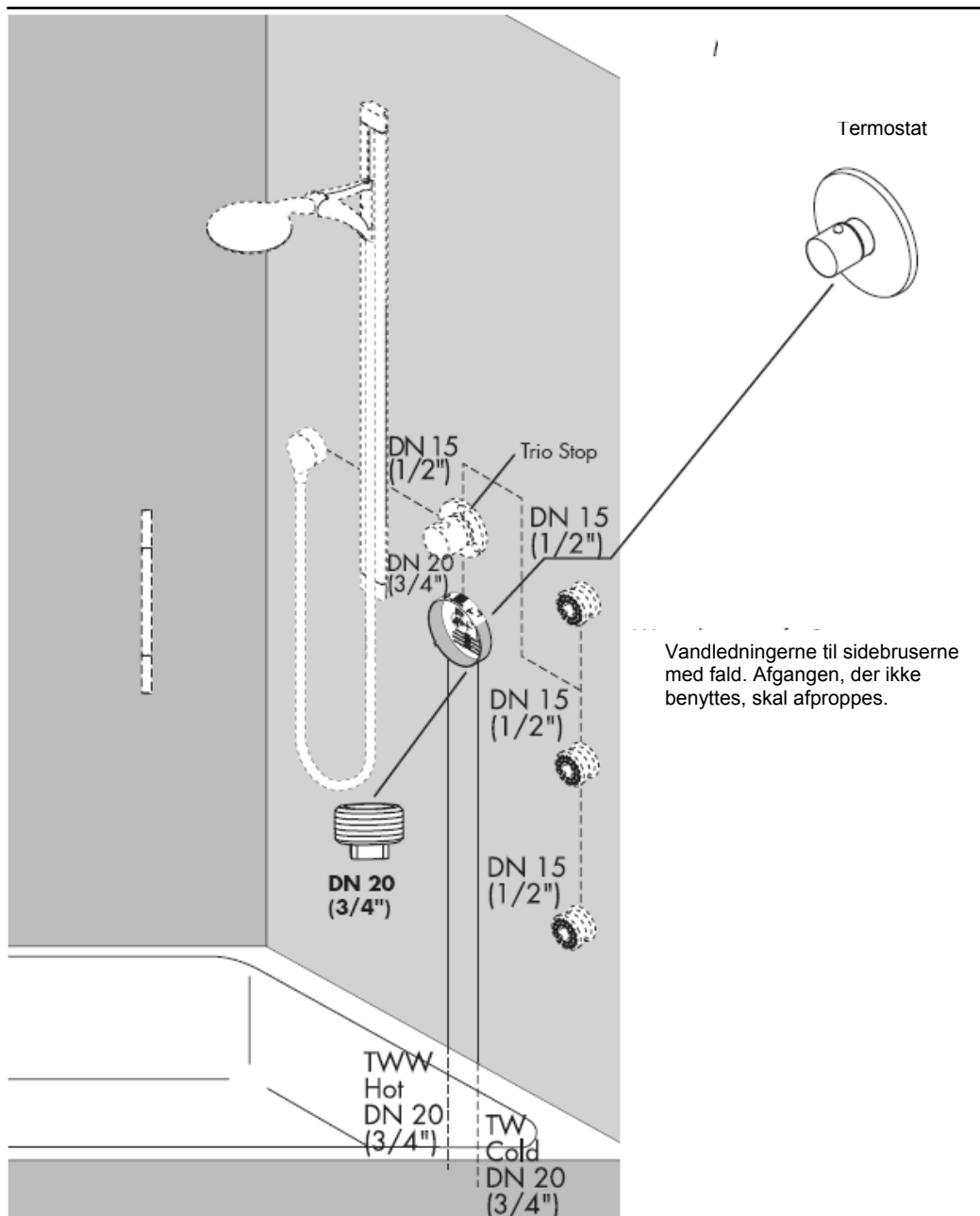


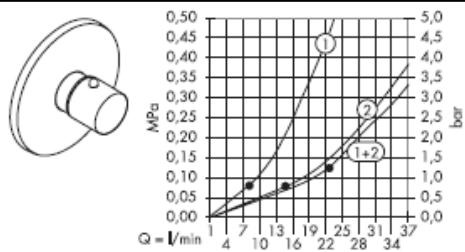
Termostat med afspæringsventil og omskifter



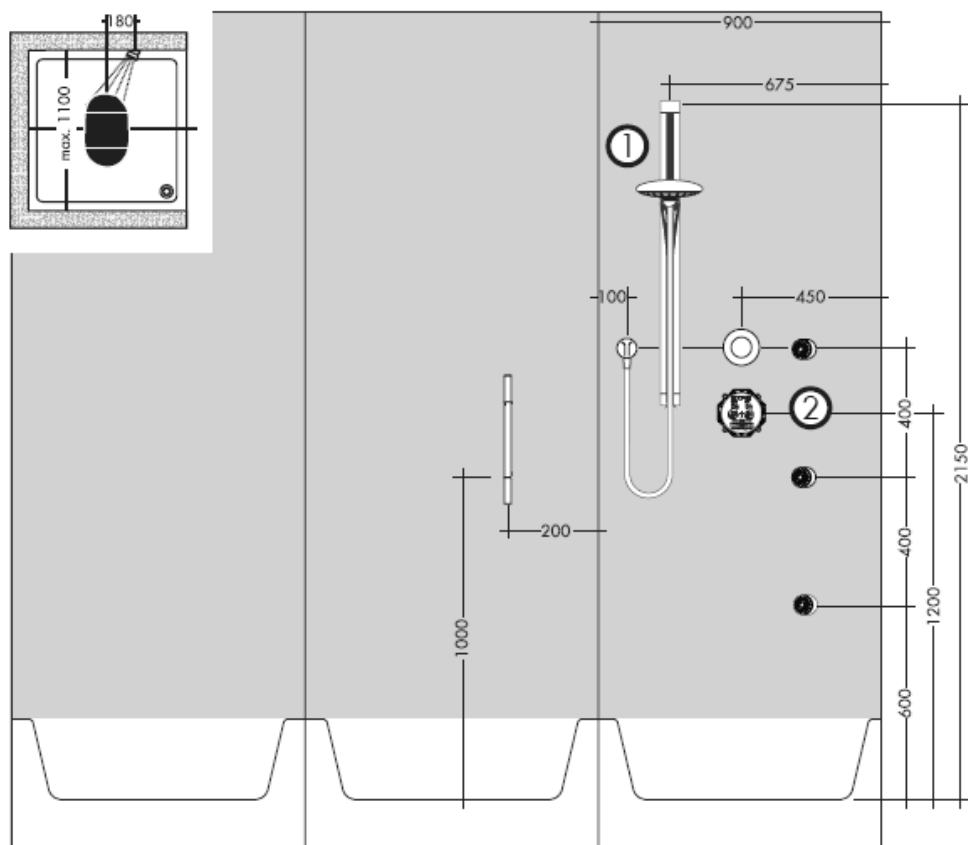




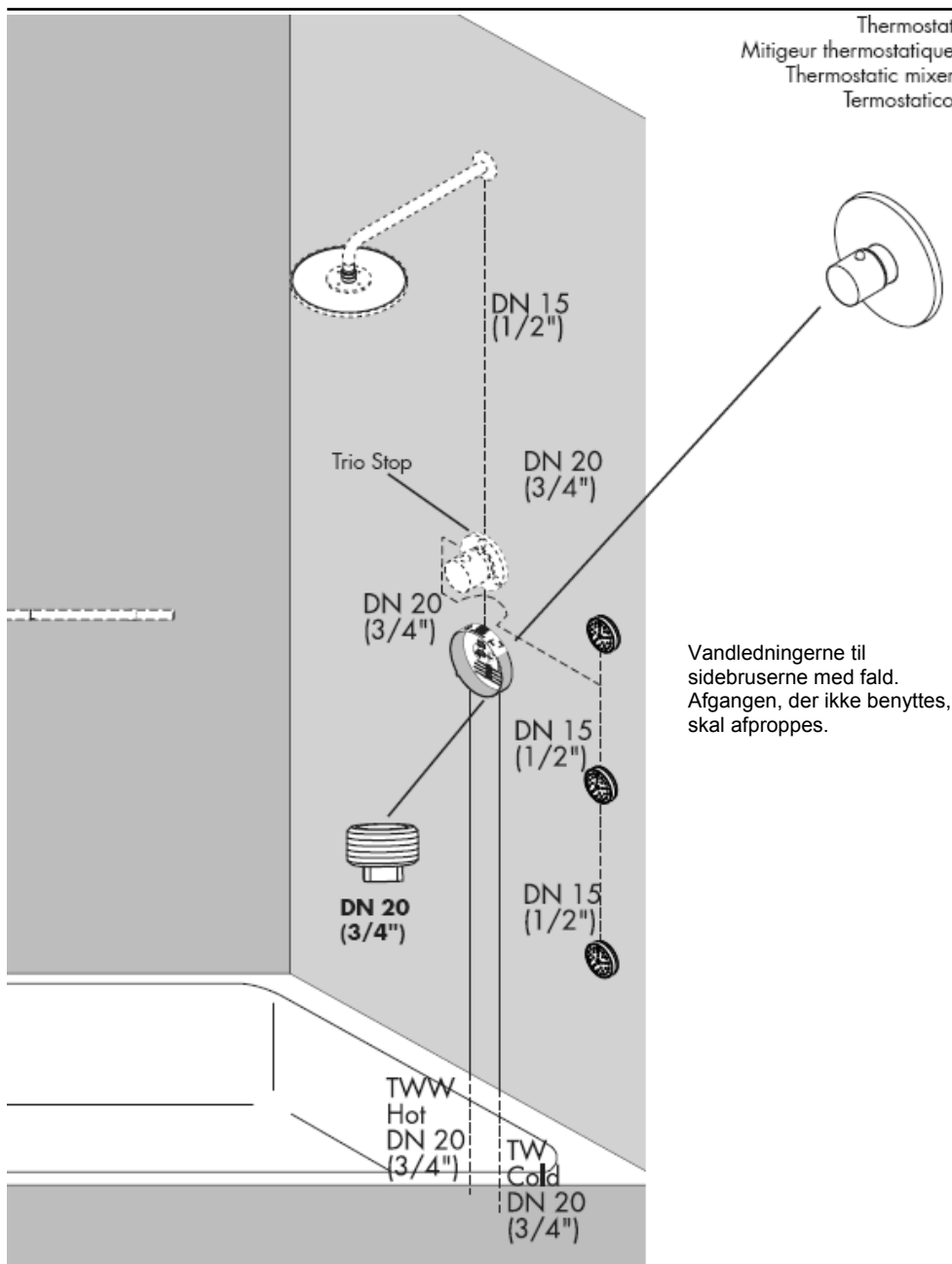


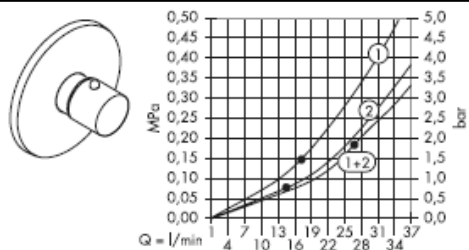


Fra • er funktionen anvendelig.

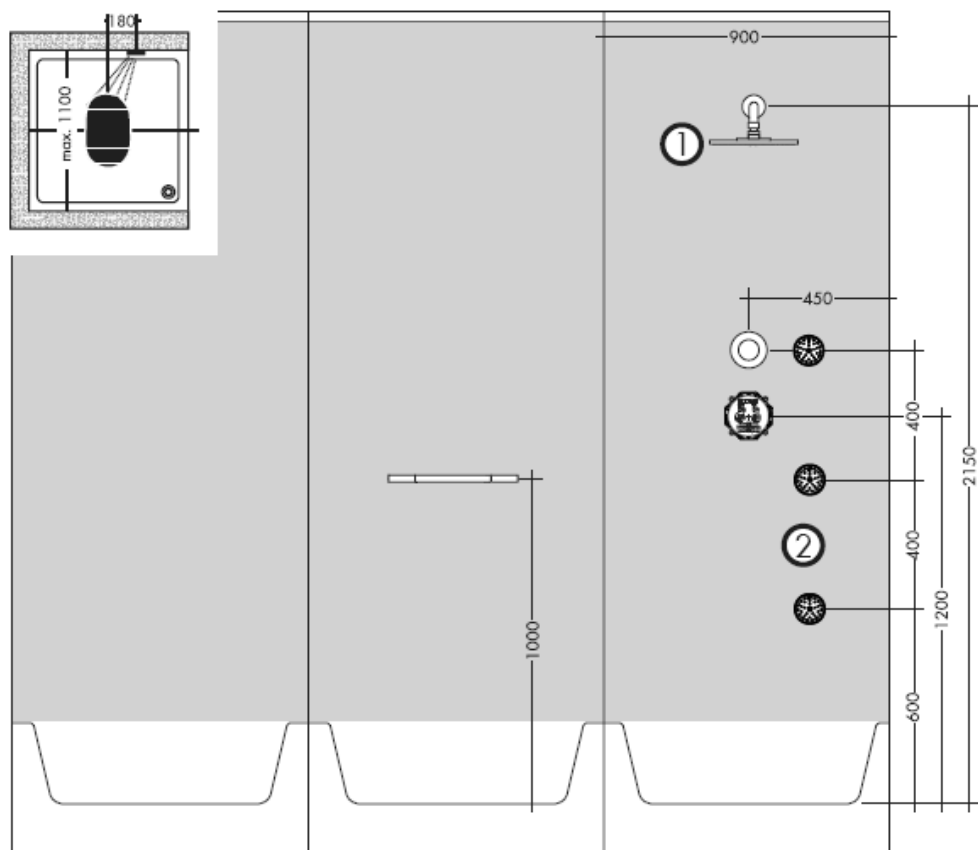
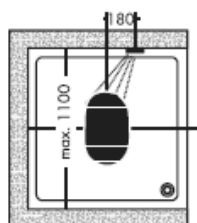


Thermostat  
Mitigeur thermostatique  
Thermostatic mixer  
Termostatico

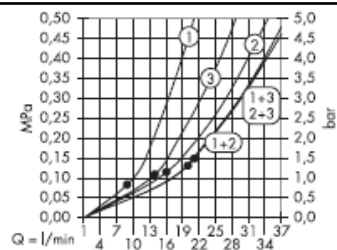
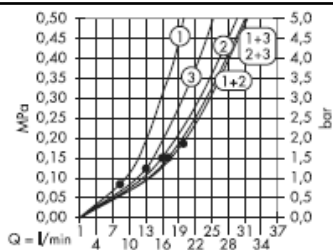
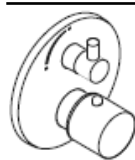




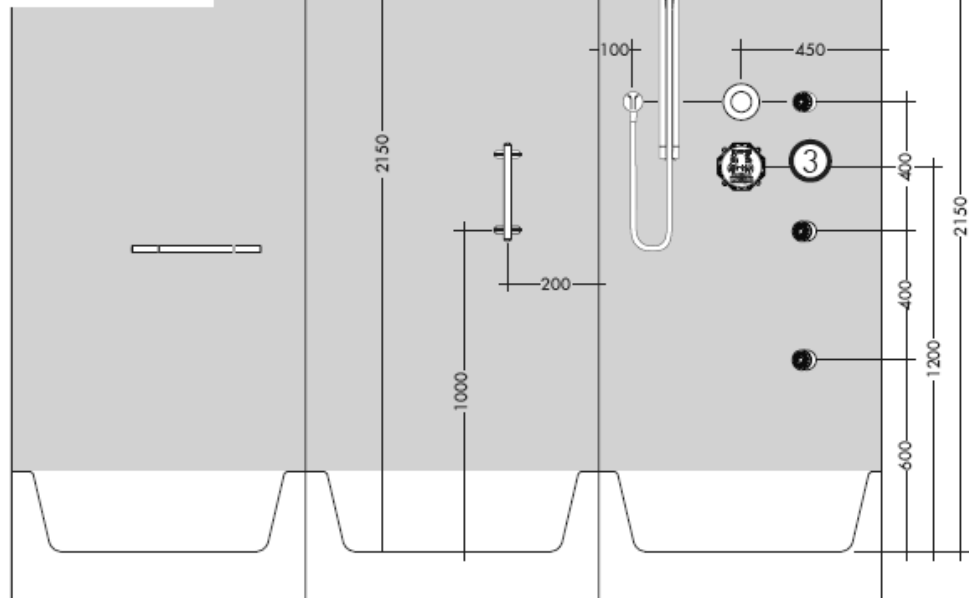
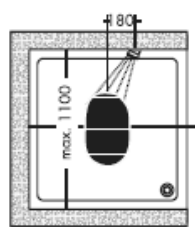
Ab ● ist die Funktion gewährleistet.  
 A partir de ● le fonctionnement est garanti.  
 From ● the function is guaranteed.  
 Dal ● si garantisce la funzionalità.







Fra • er funktionen anvendelig.

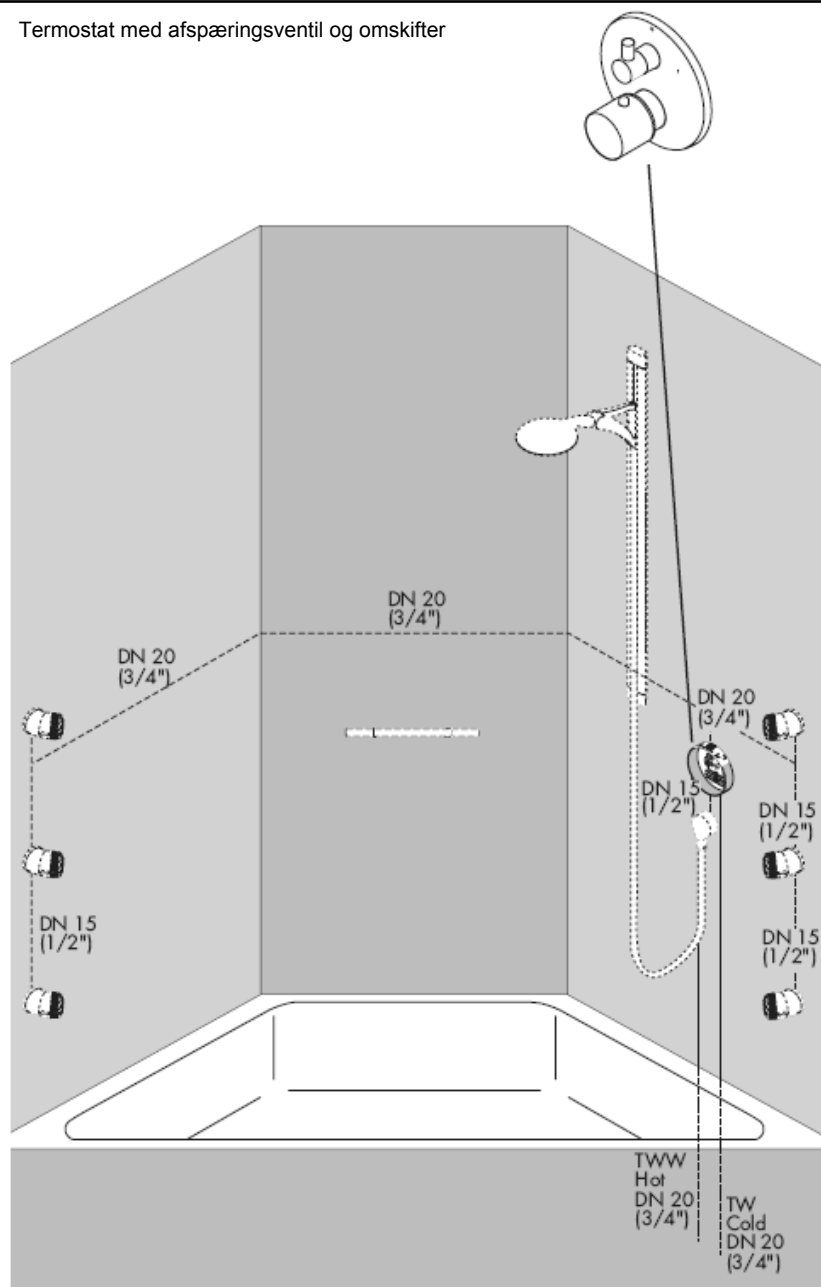




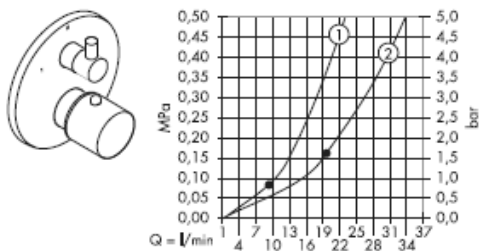




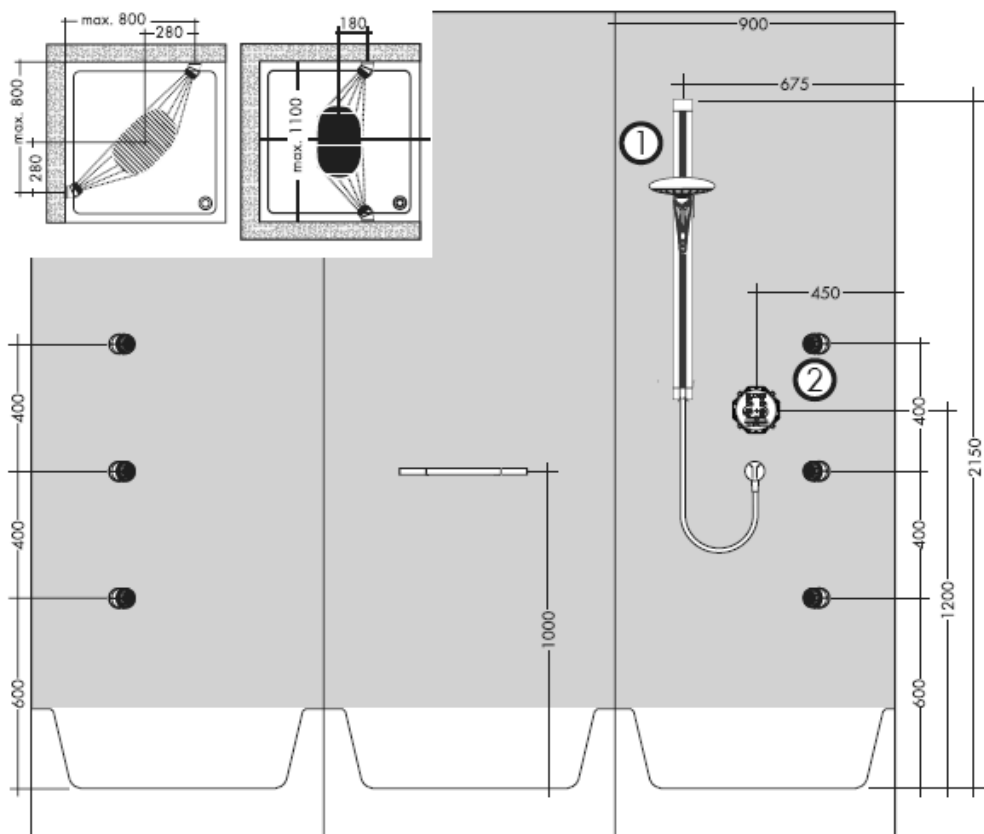
Termostat med afspæringsventil og omskifter



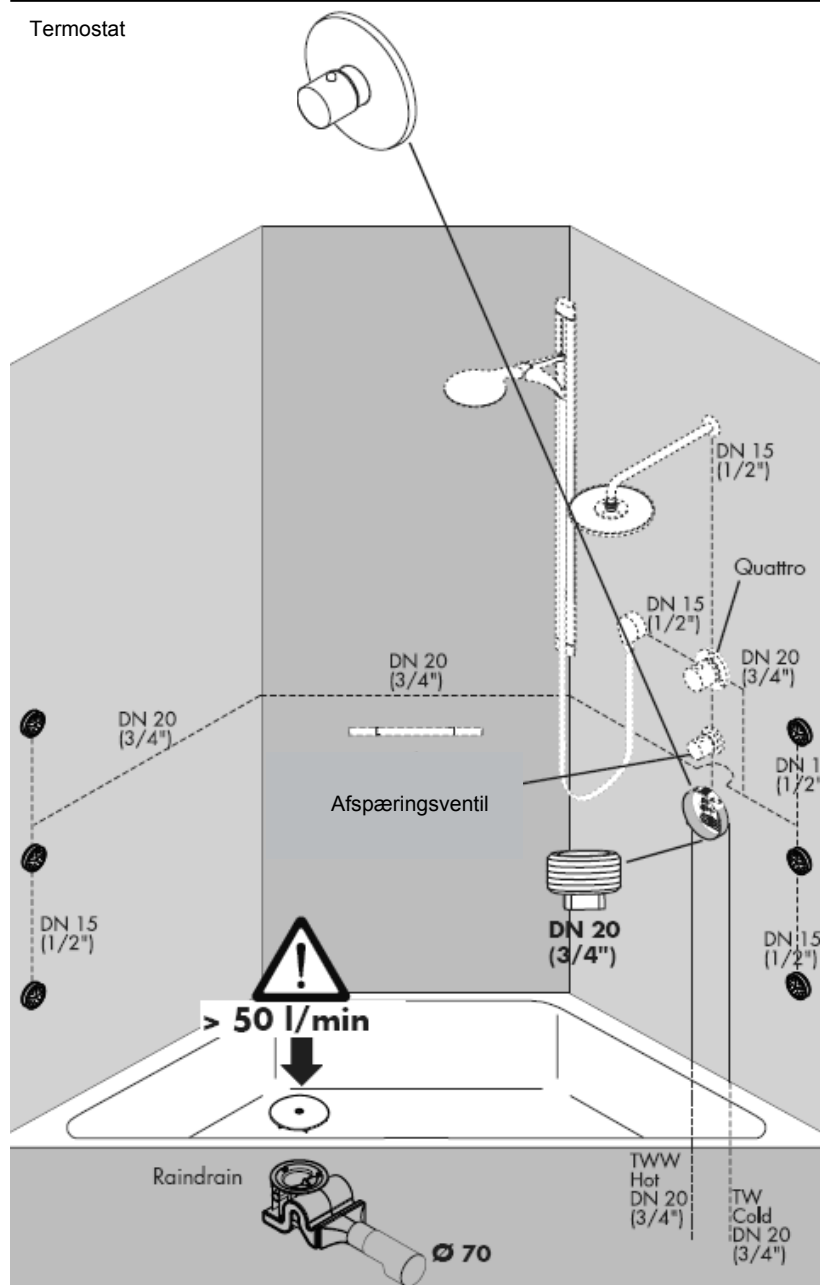
Vandledningerne til sidebruserne med fald. Afgangen, der ikke benyttes, skal afproppes.



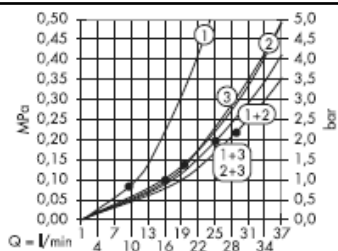
Fra • er funktionen anvendelig.



## Termostat



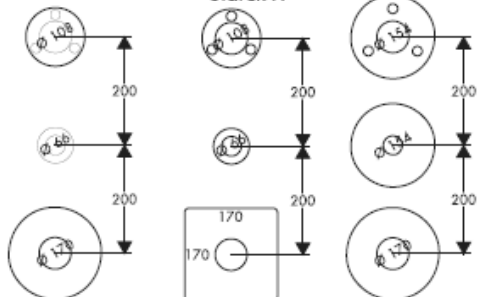
Vandledningerne til sidebruserne med fald. Afgangen, der ikke benyttes, skal afropres.



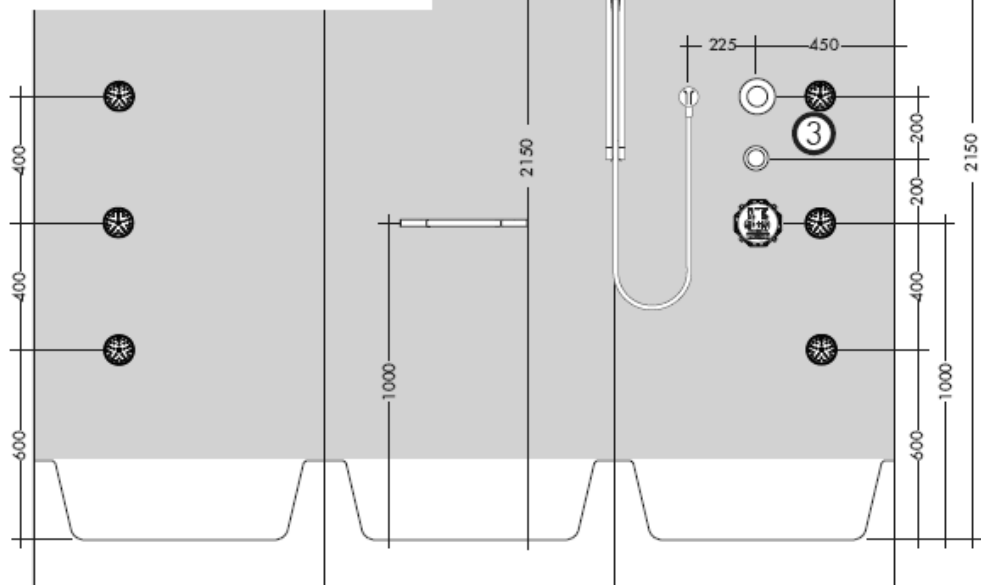
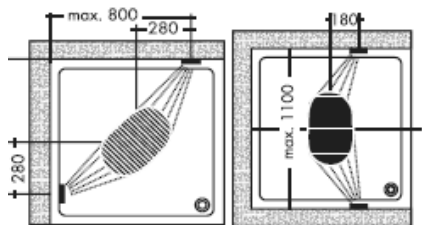
Uno/Uno<sup>2</sup>/Carlton/  
 Terrano/Montreux/  
 Metropoli E + S/  
 Metris E + S/  
 Focus E + S/  
 Talis E<sup>2</sup>+S+S<sup>2</sup>+Classic

Massaud/  
 Citterio/  
 Citterio M/  
 Starck X

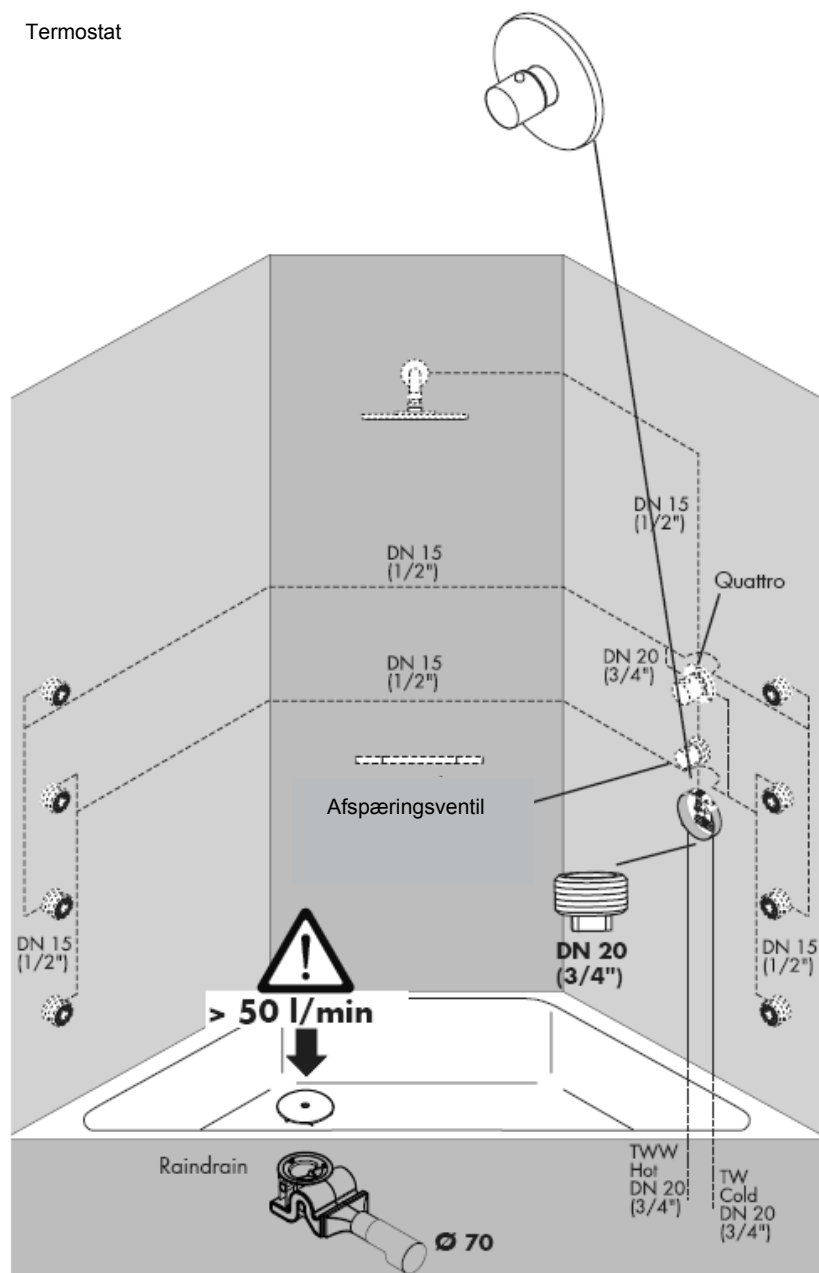
Starck/Steel



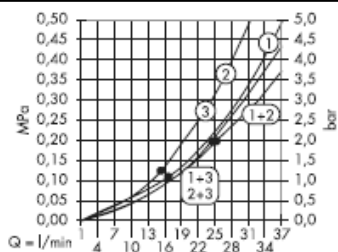
Fra • er funktionen anvendelig.



## Termostat



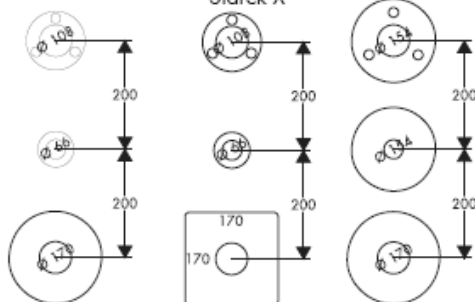
Vandledningerne til sidebruserne med fald. Afgangen, der ikke benyttes, skal afproppes.



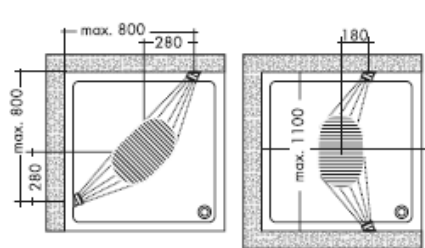
Uno/Uno<sup>2</sup>/Carlton/  
Terrano/Montreux/  
Metropol E + S/  
Metris E + S/  
Focus E + S/  
Talis E<sup>2</sup>+S+S<sup>2</sup>+Classic

Massaud/  
Citterio/  
Citterio M/  
Starck X

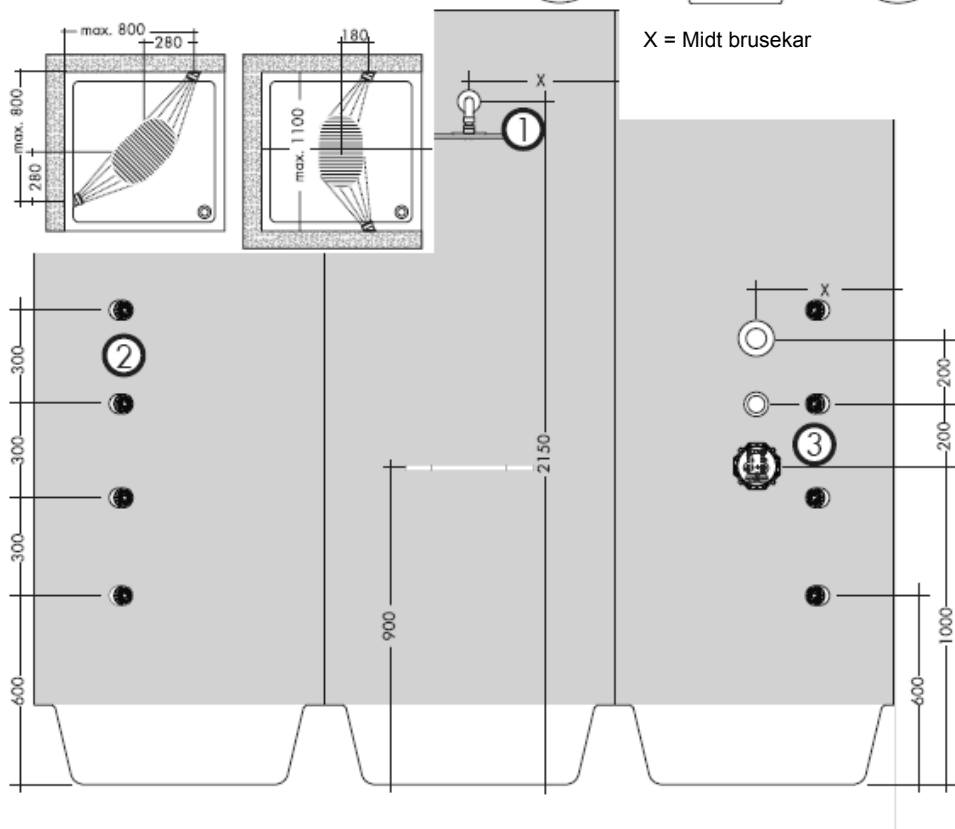
Starck/Steel



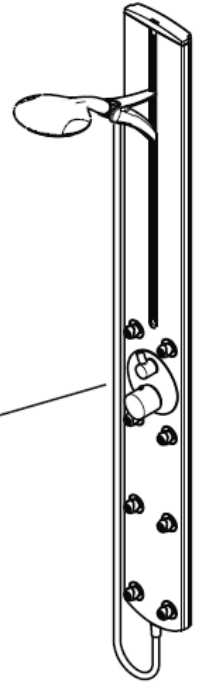
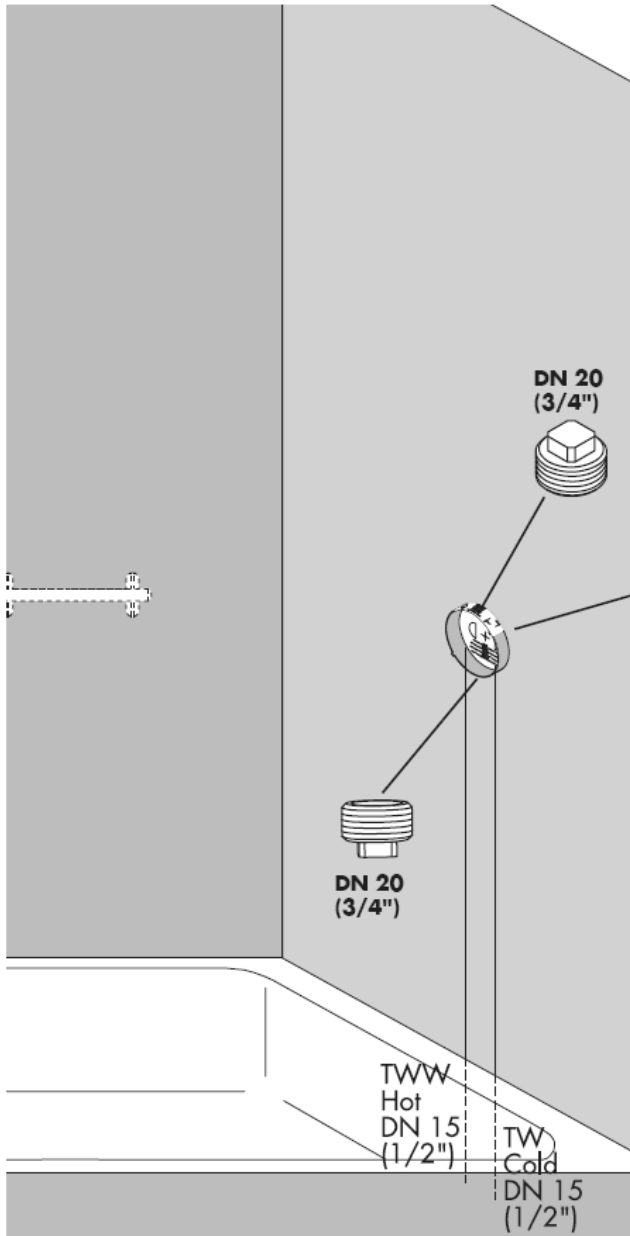
Fra • er funktionen anvendelig.



X = Midt brusekar

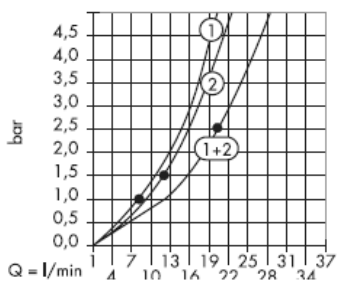


Raindance brusepanel



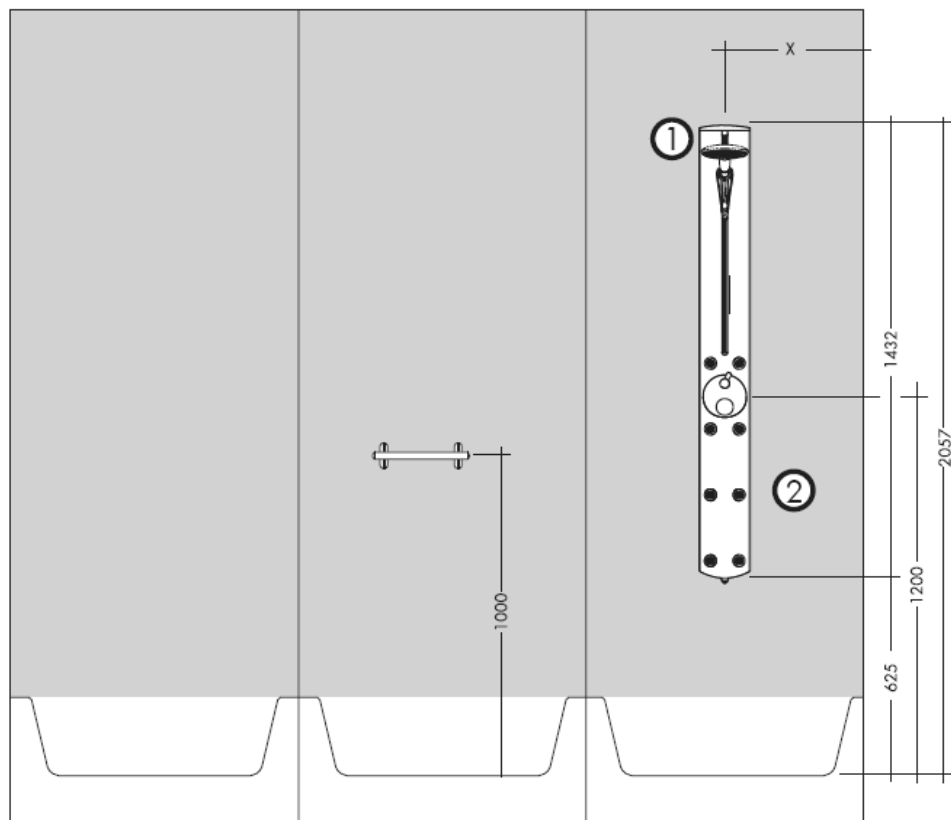
Afgangen, der ikke benyttes, skal afroppes.

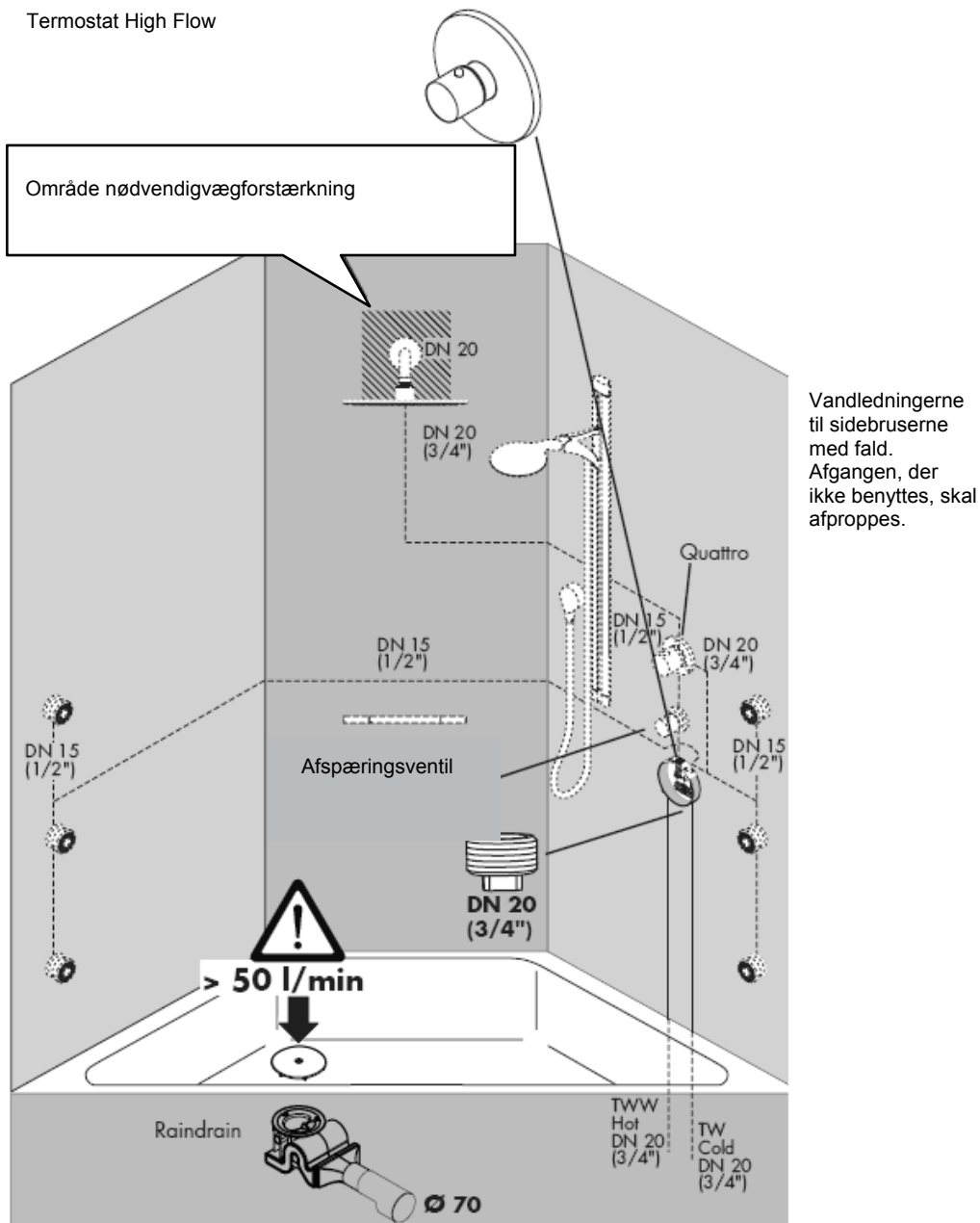


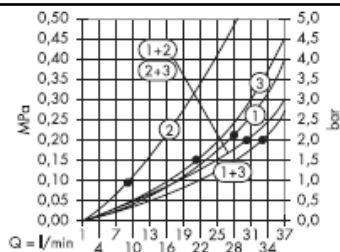


Fra • er funktionen anvendelig.

X = Midt brusekar



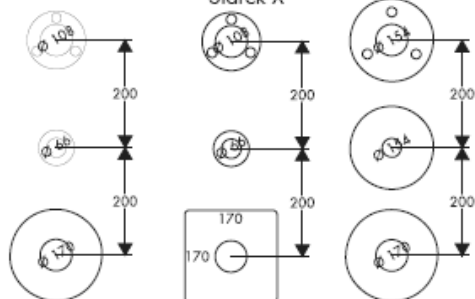




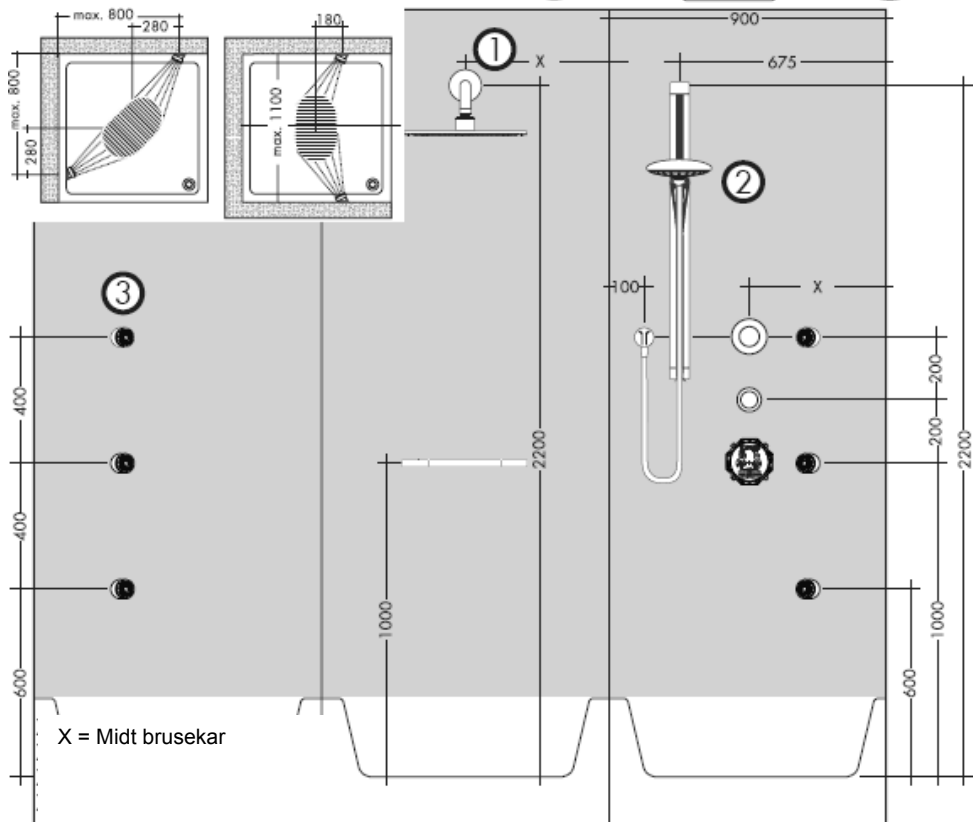
Uno/Uno<sup>2</sup>/Carlton/  
Terrano/Montreux/  
Metropol E + S/  
Metris E + S/  
Focus E + S/  
Talis E<sup>2</sup>+S+S<sup>2</sup>+Classic

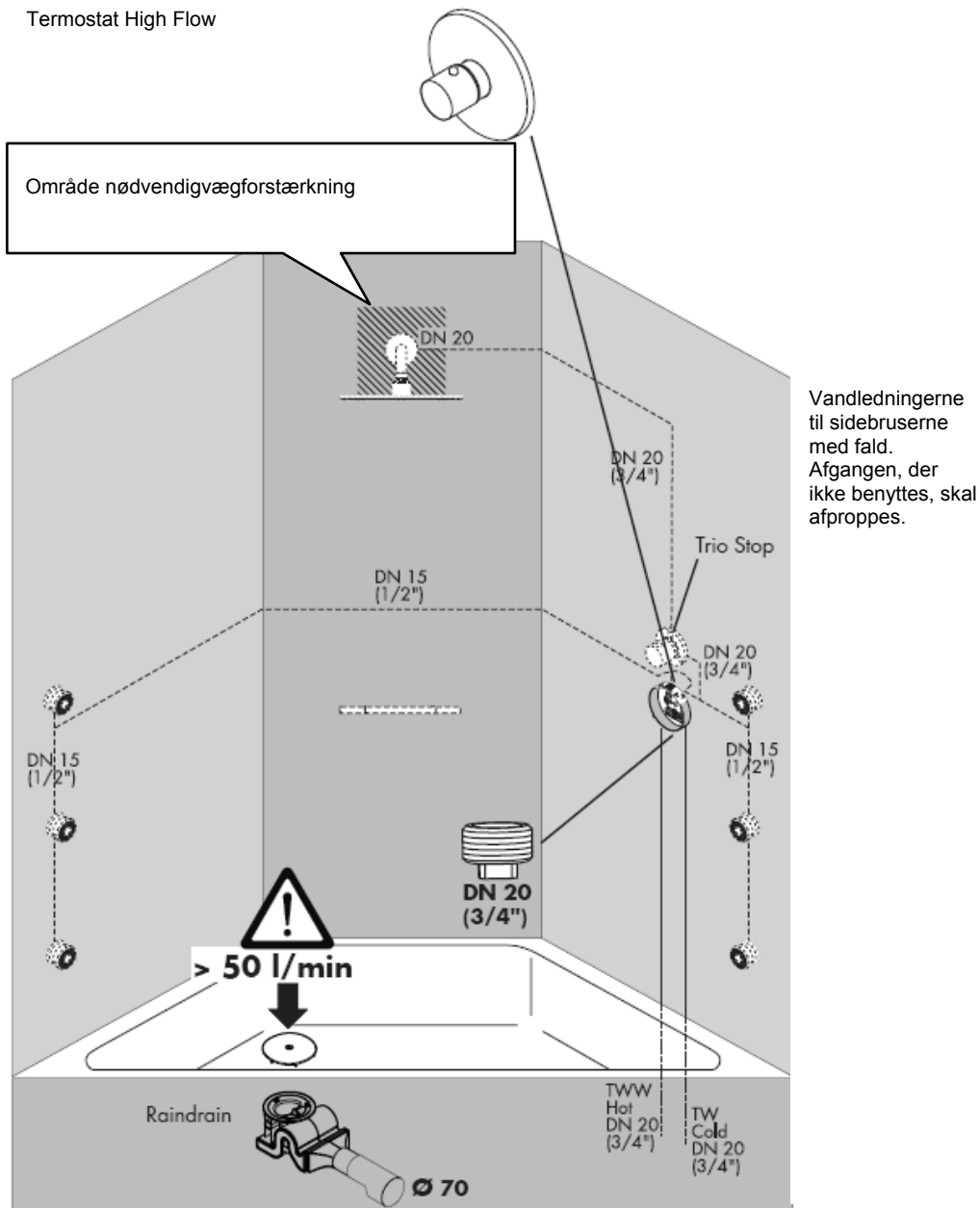
Massaud/  
Citterio/  
Citterio M/  
Starck X

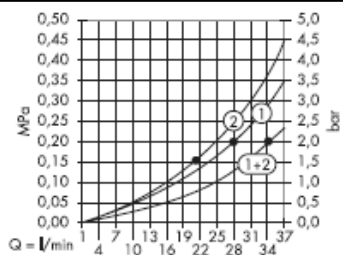
Starck/Steel



Fra • er funktionen anvendelig.

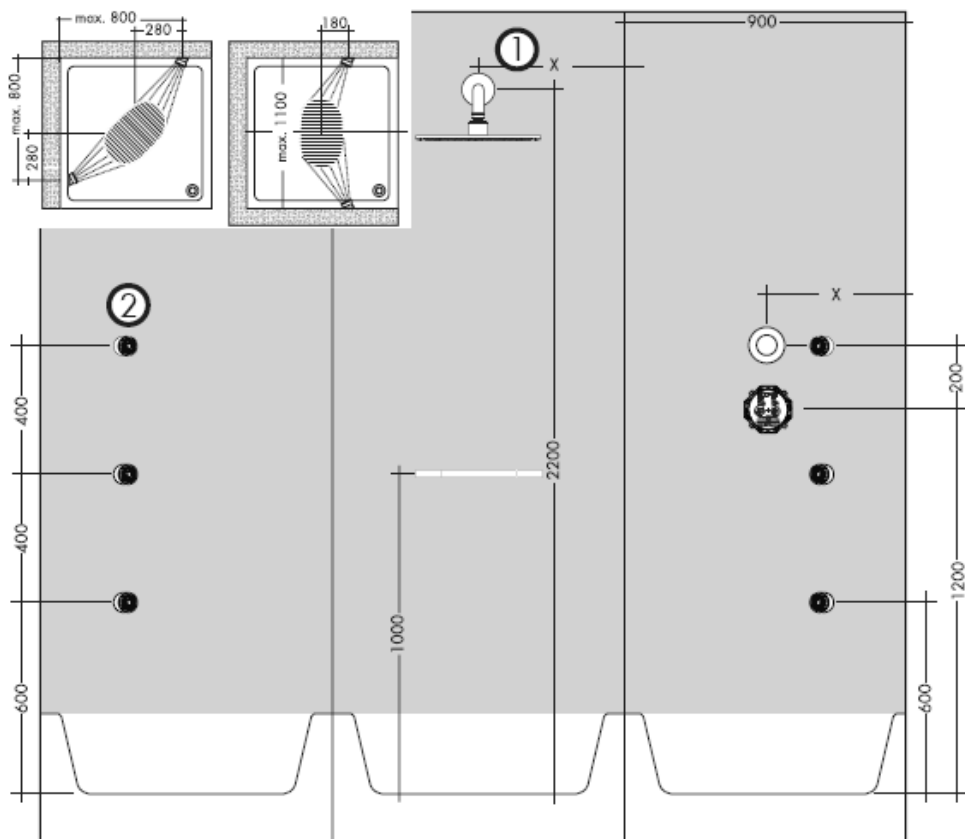


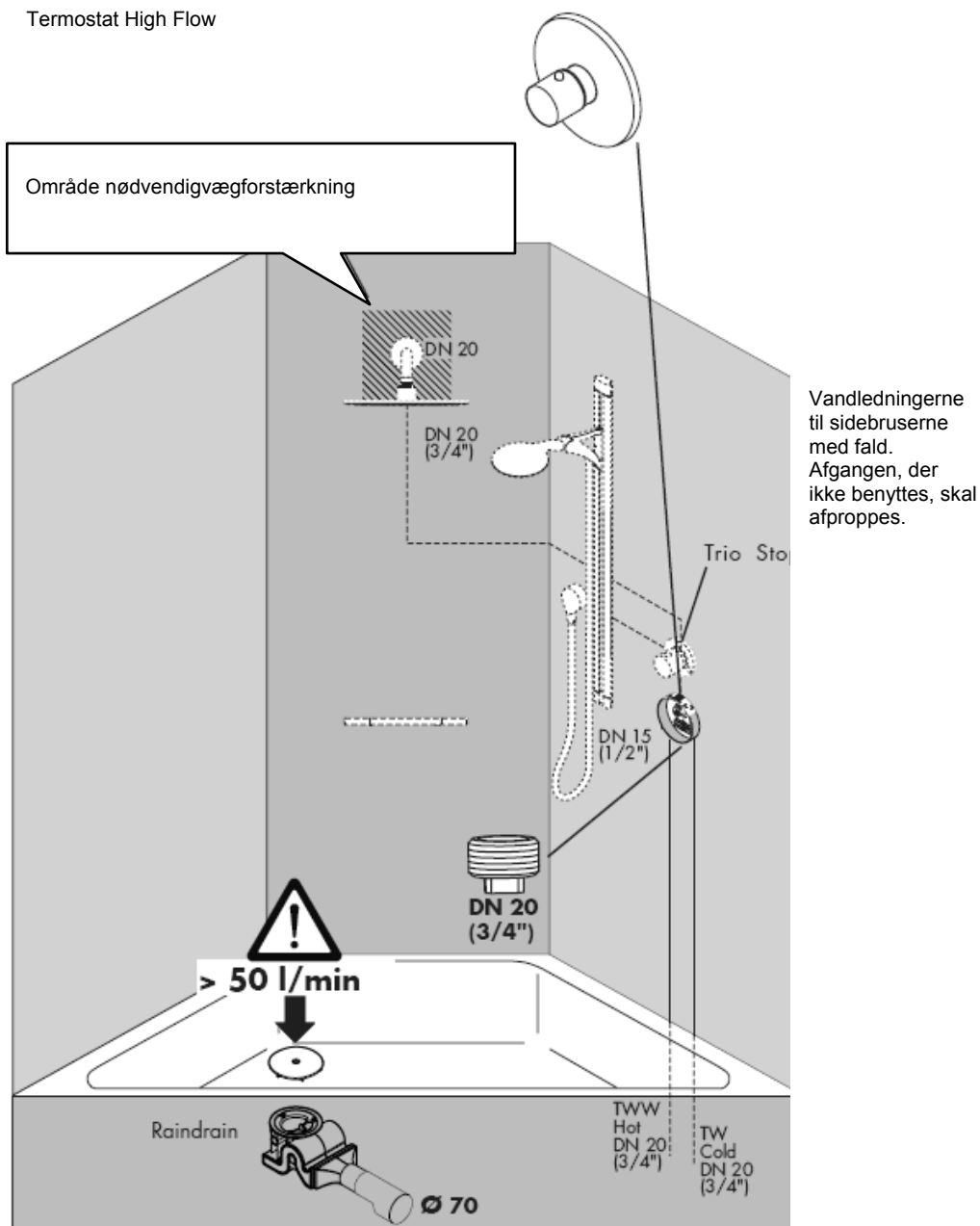




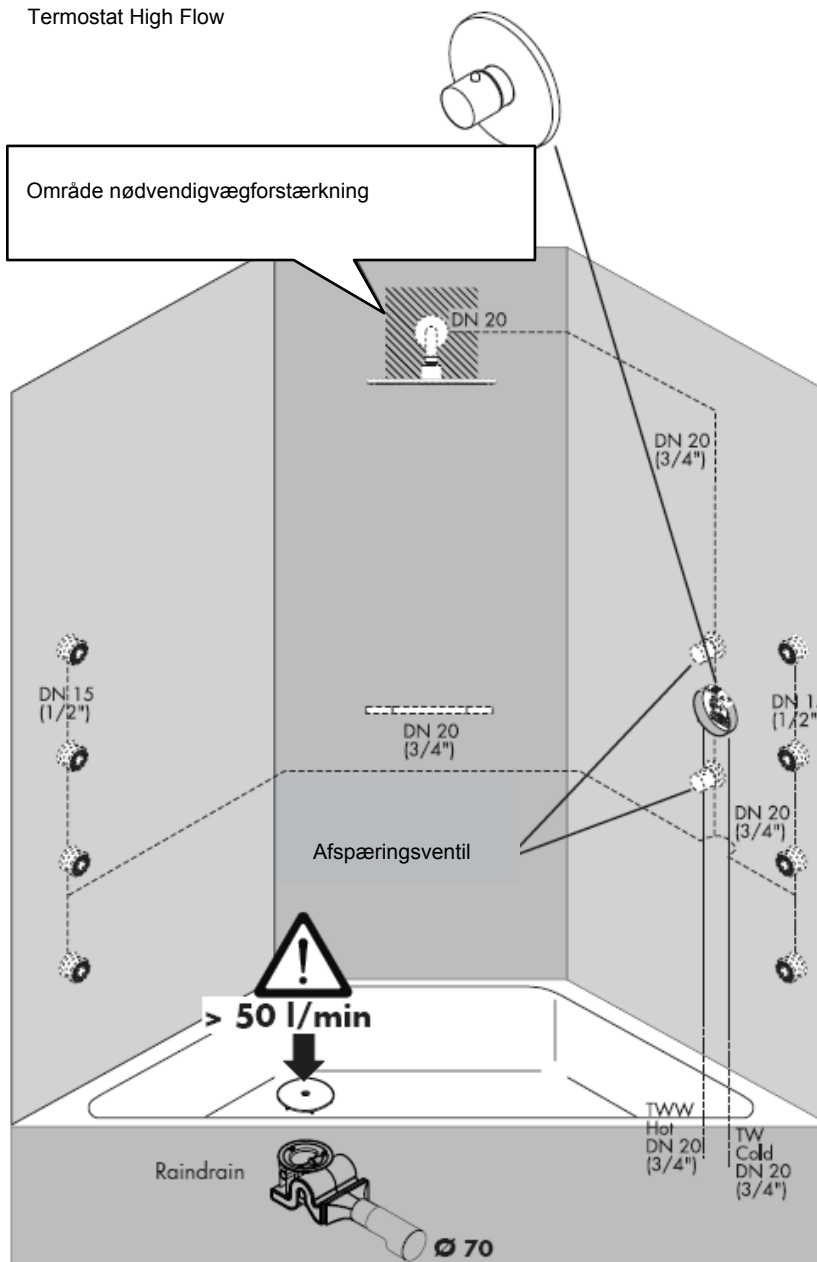
Fra • er funktionen anvendelig.

X = Midt brusekar







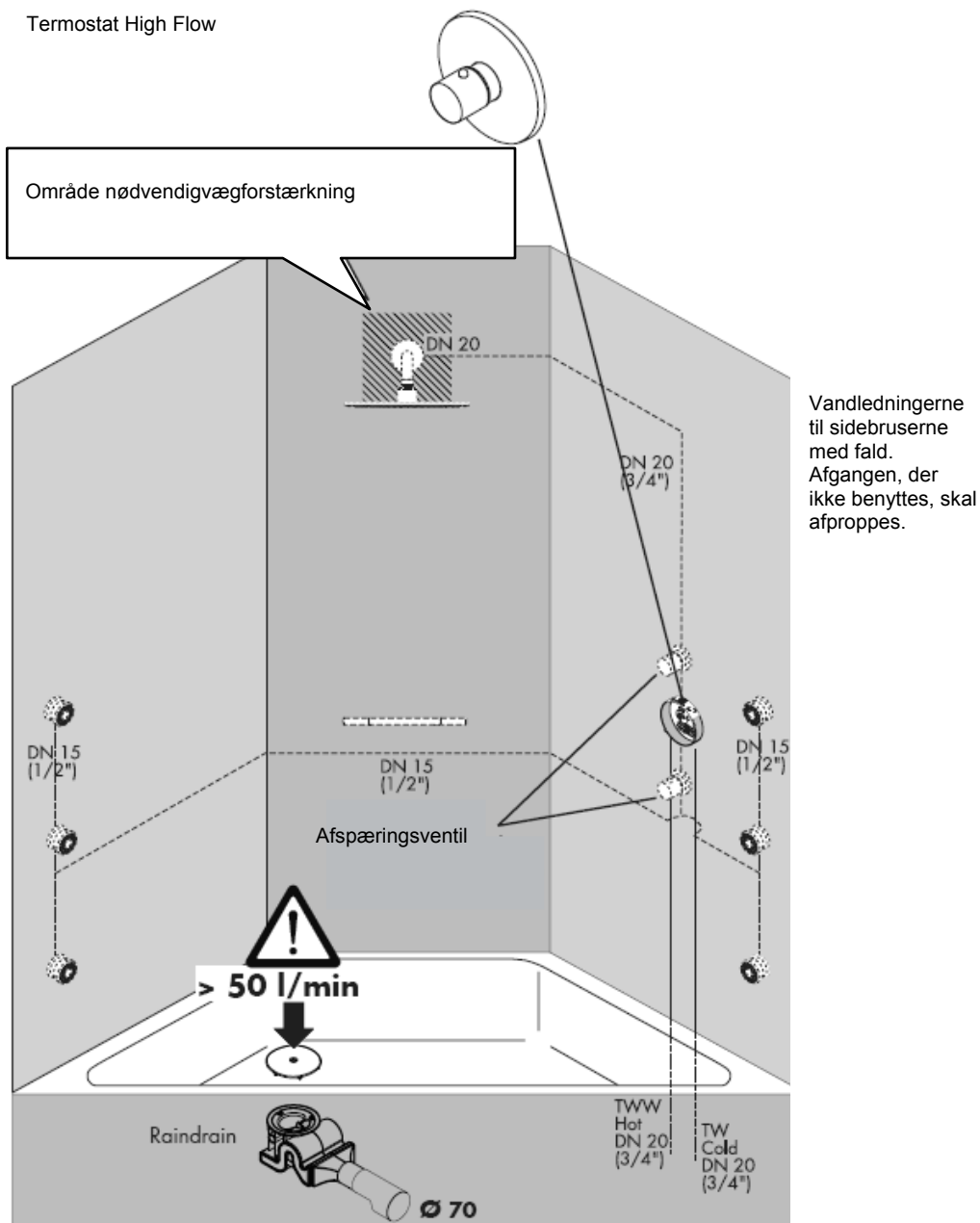


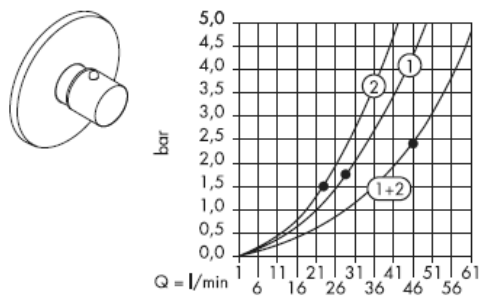
Vandledningerne til sidebruserne med fald. Afgangen, der ikke benyttes, skal afproppes.





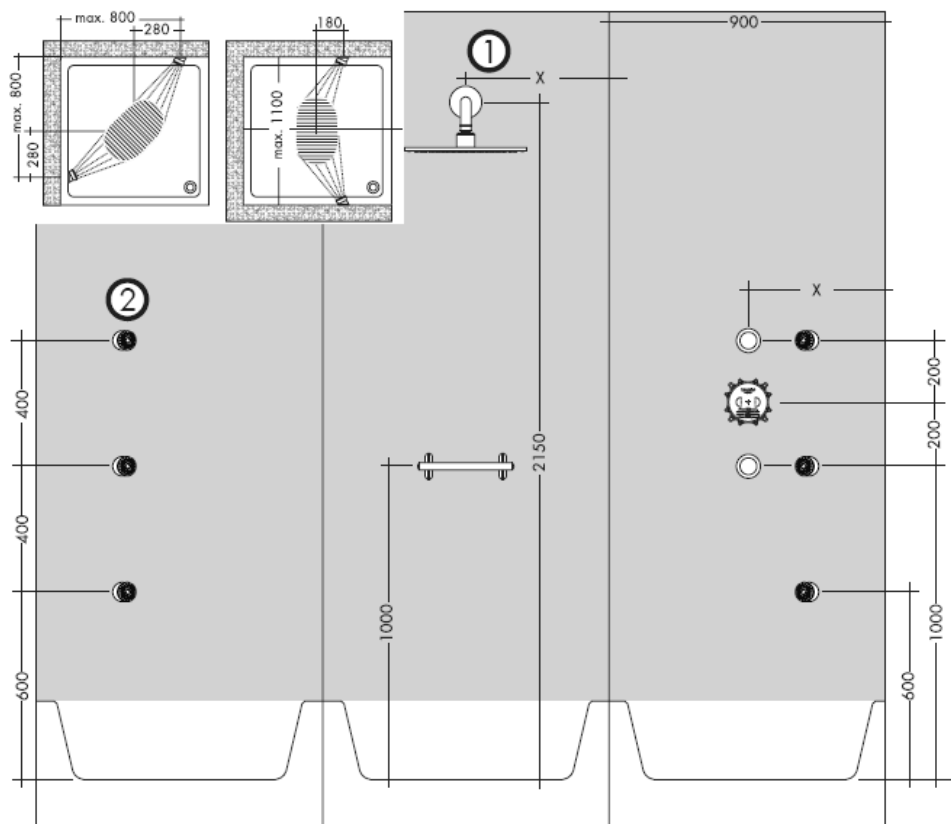
## Termostat High Flow

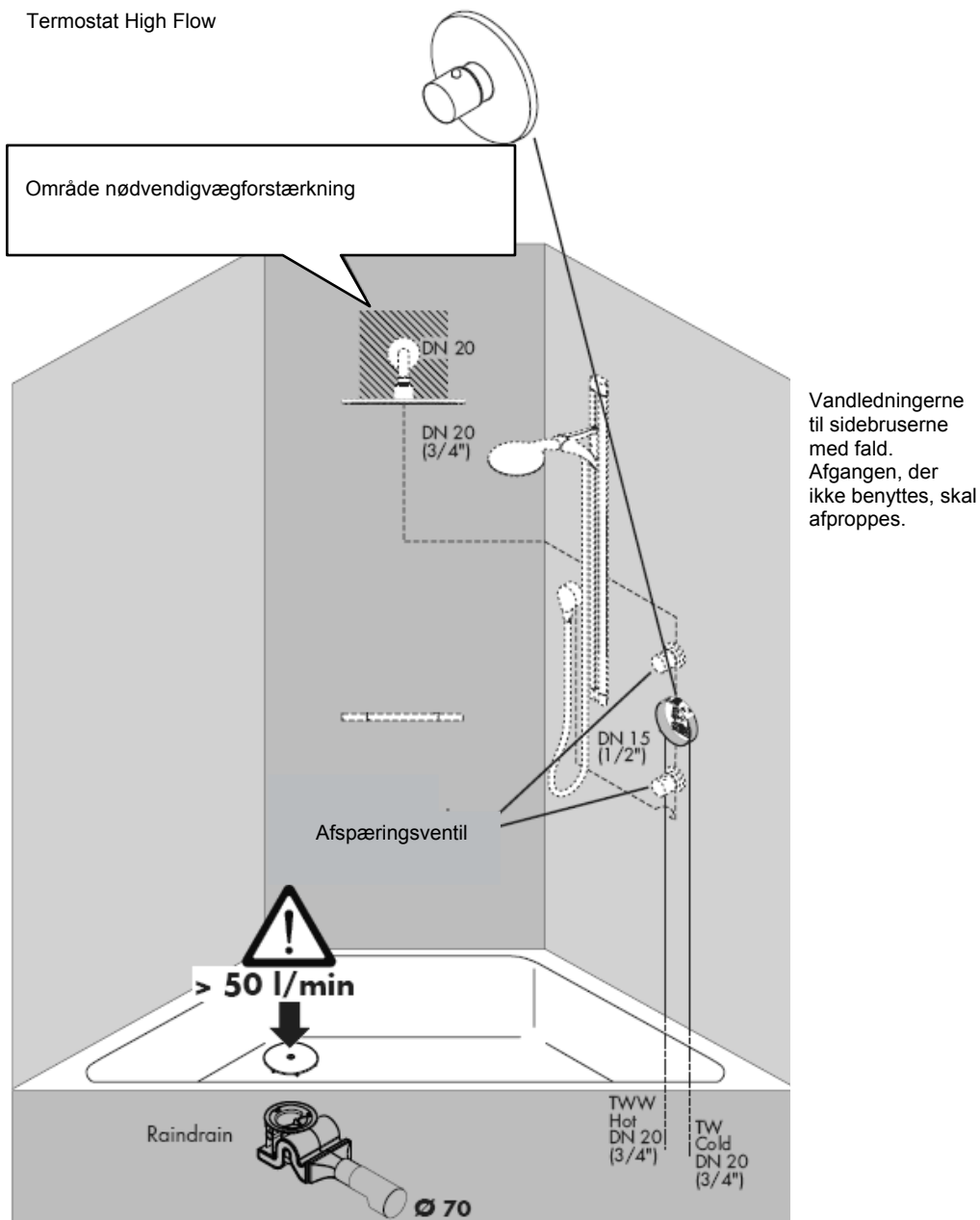


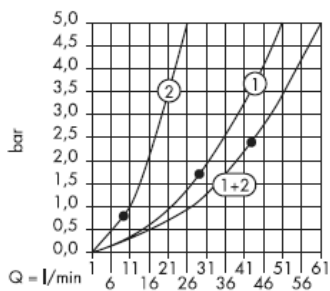


Fra • er funktionen anvendelig.

X = Midt brusekar

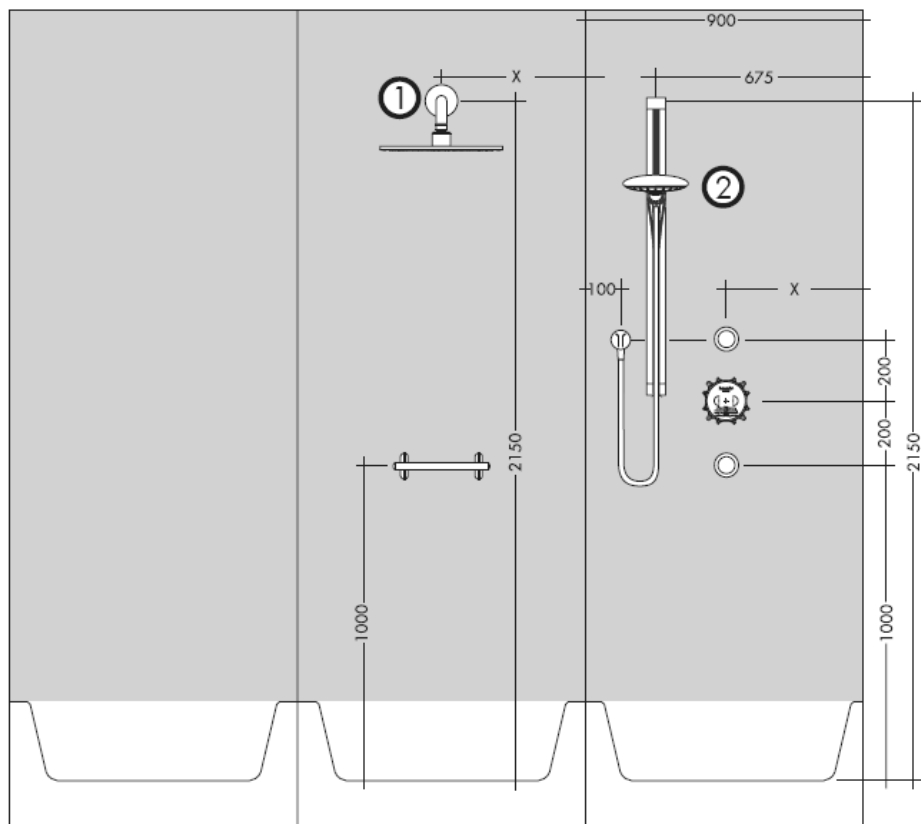


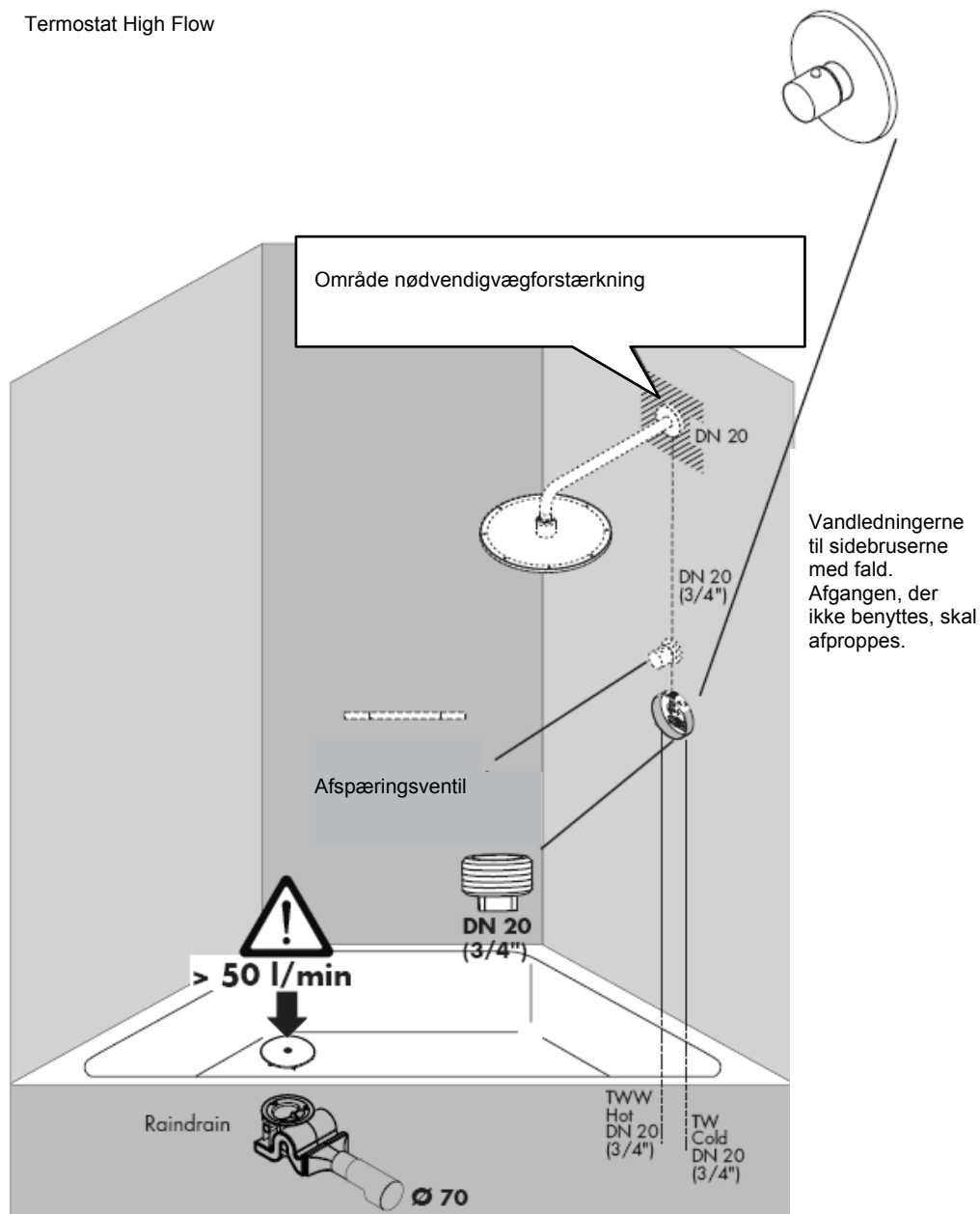




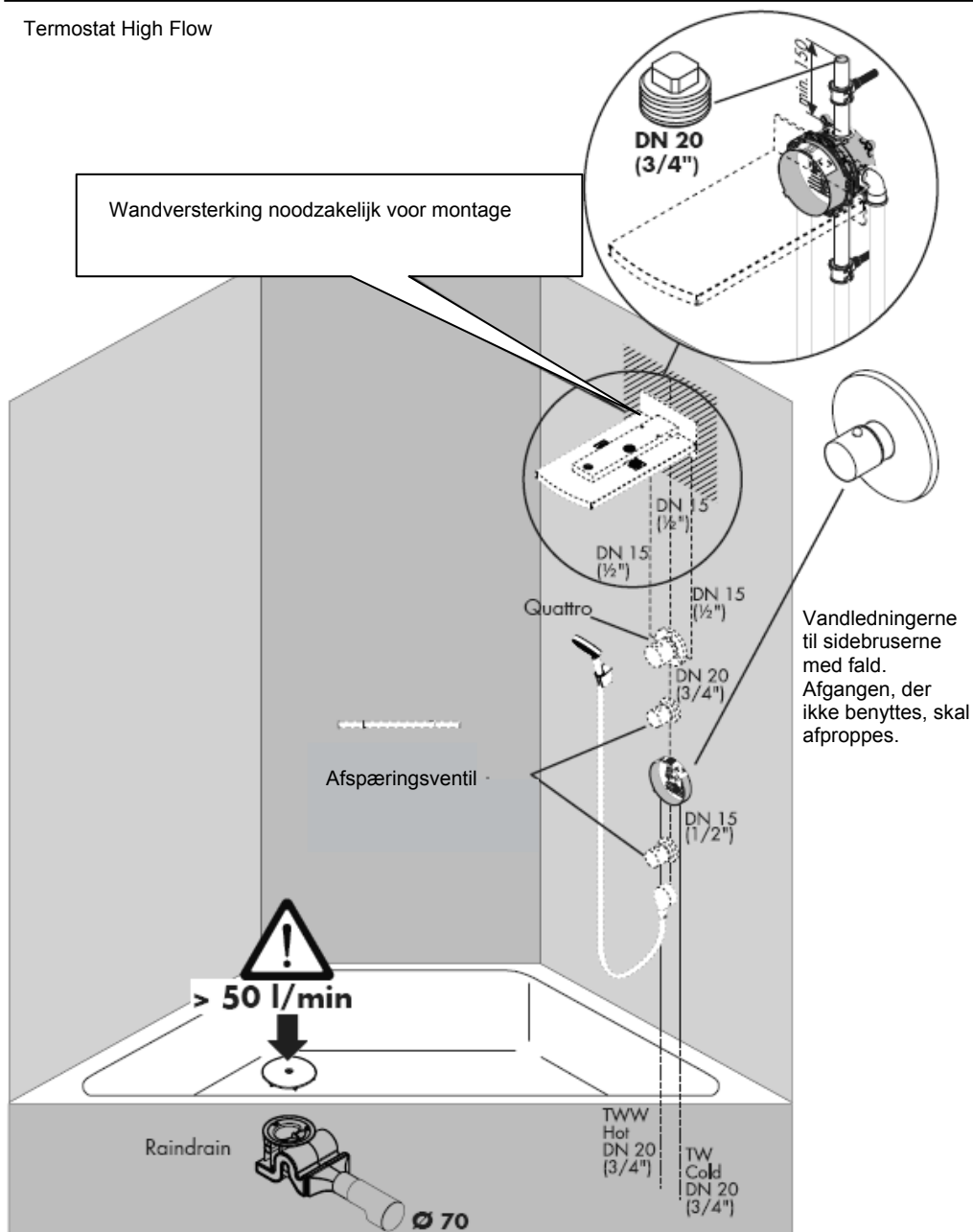
Fra • er funktionen anvendelig.

X = Midt brusekar

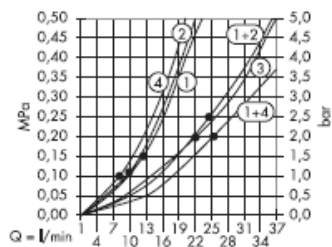






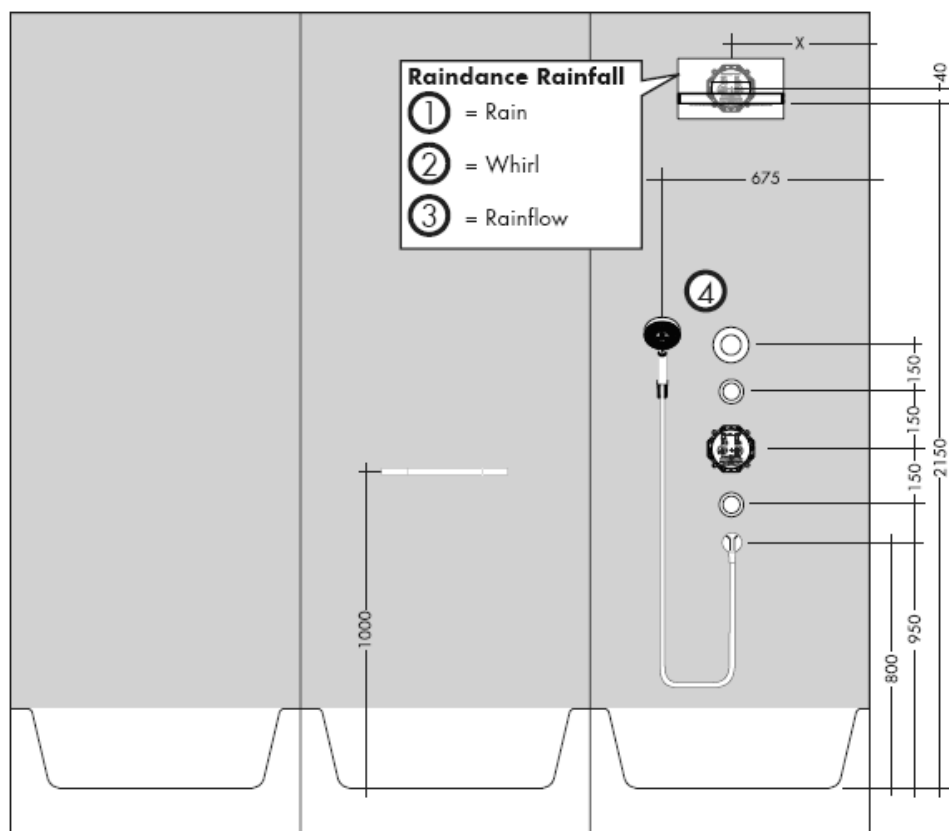




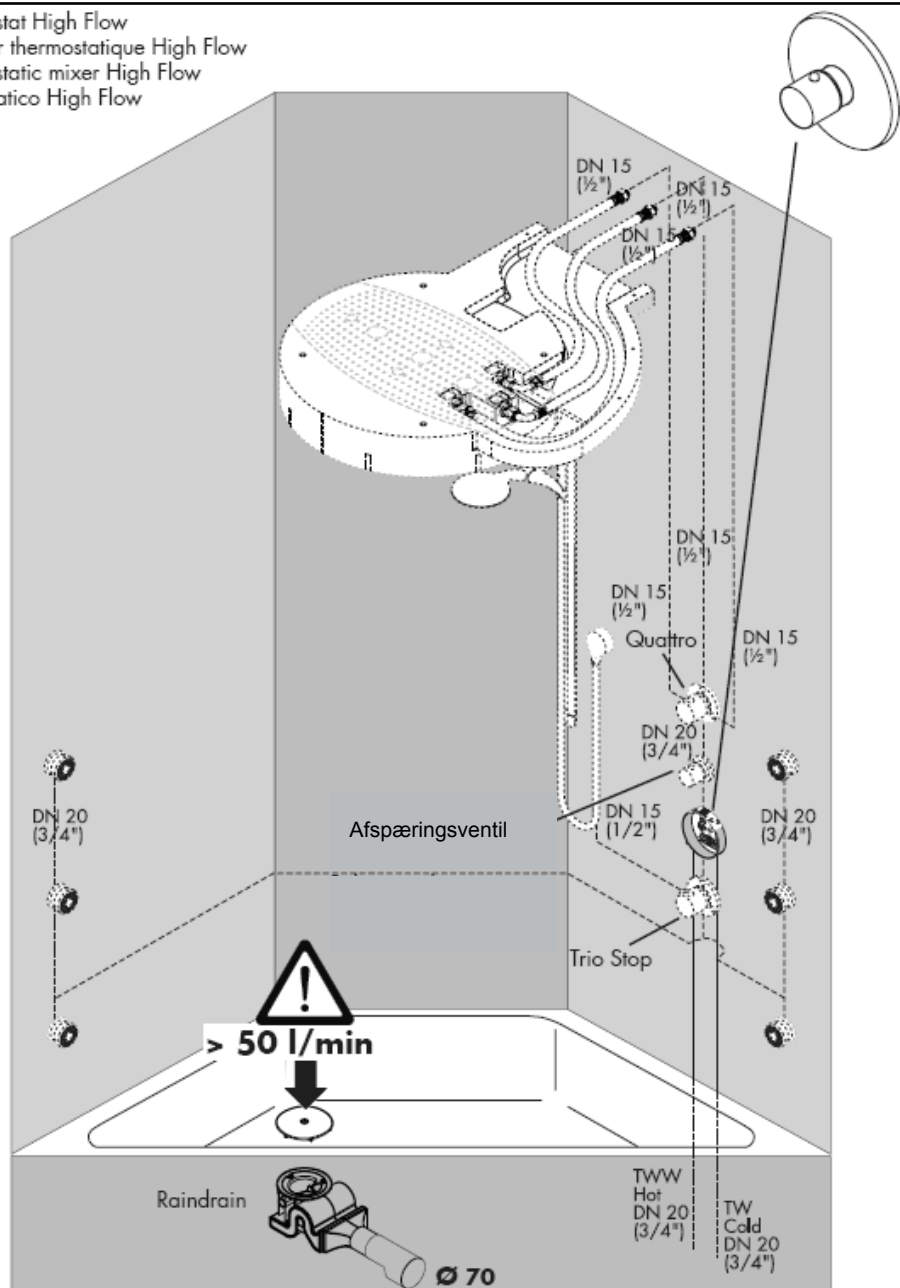


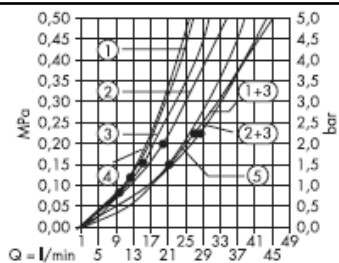
Fra • er funktionen anvendelig.

X = Midt brusekar



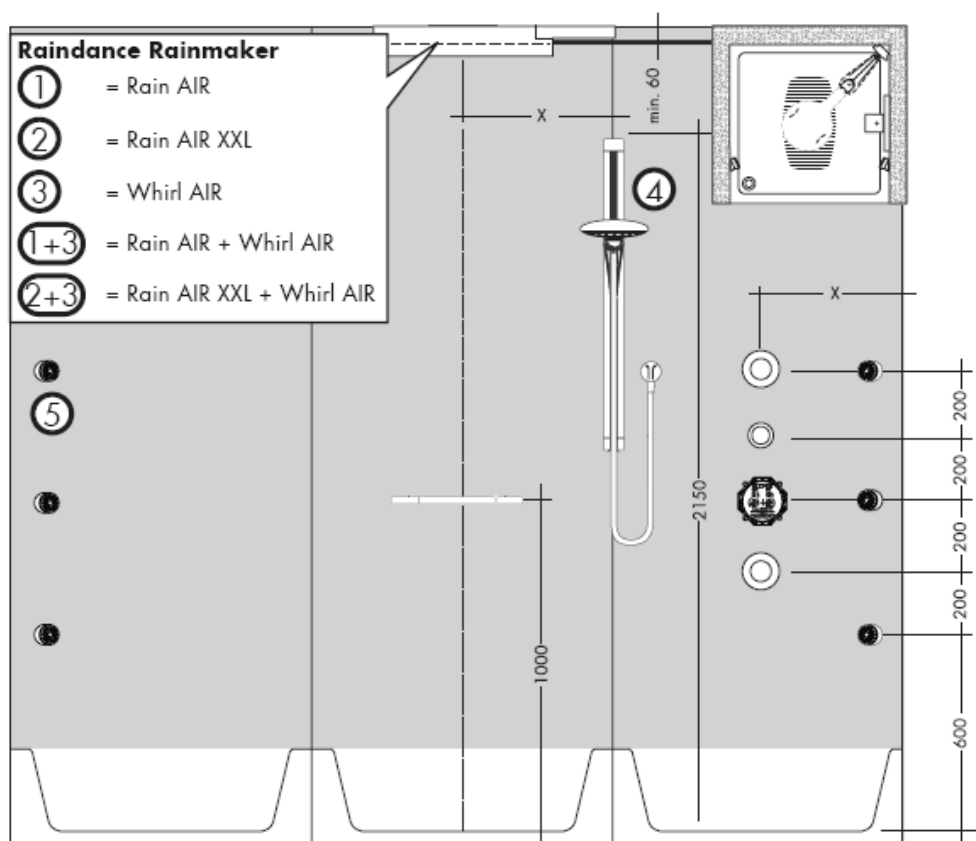
Thermostat High Flow  
Mitigeur thermostatique High Flow  
Thermostatic mixer High Flow  
Termostatico High Flow



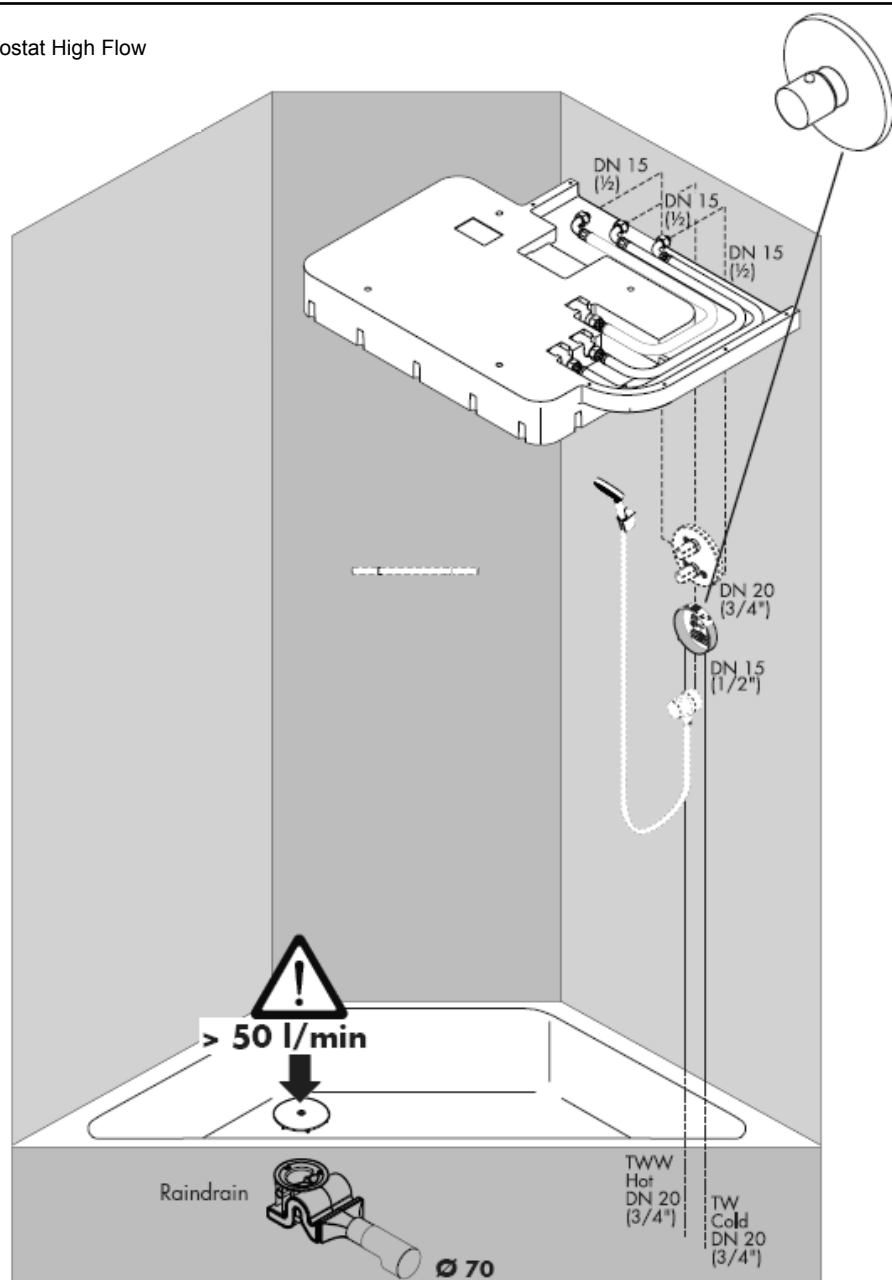


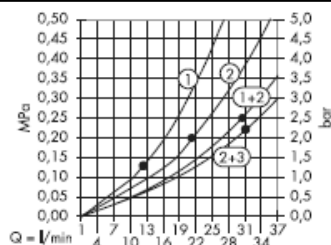
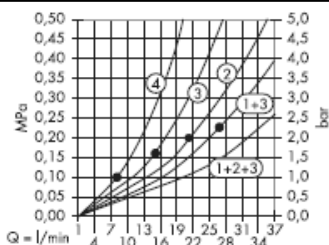
Fra • er funktionen anvendelig.

X = Midt brusekar



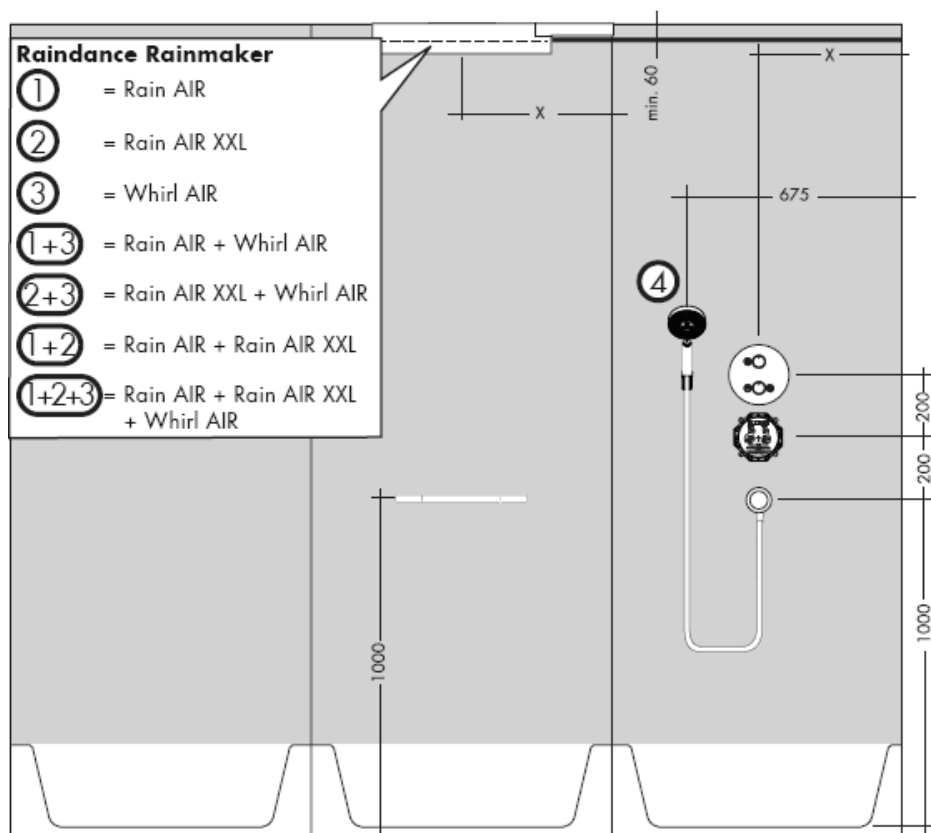
Termostat High Flow





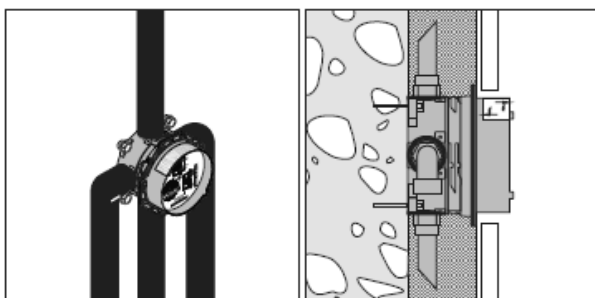
Fra • er funktionen anvendelig.

X = Midt brusekar

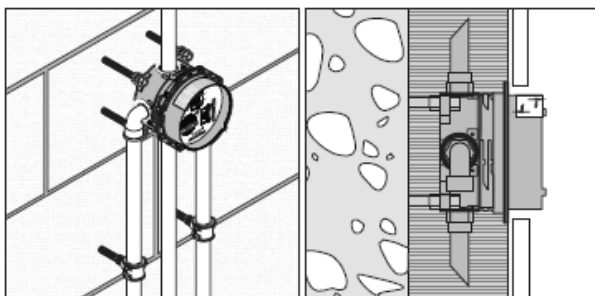


## Monteringseksempler

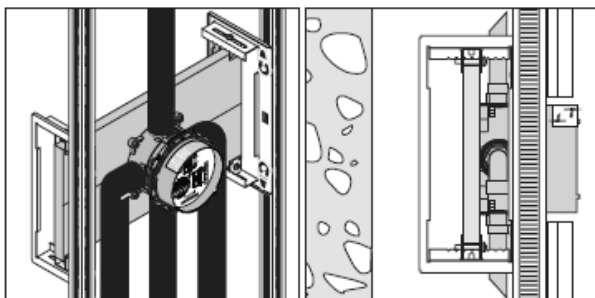
Installation på væggen.



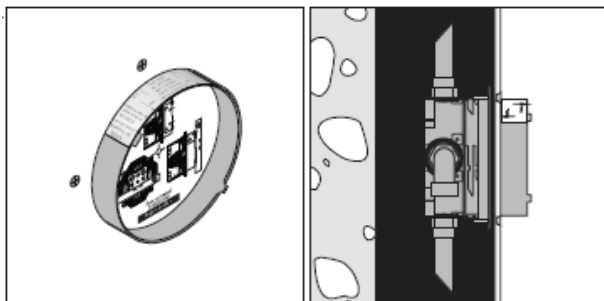
Installation på væggen. Her med fleksibel afstandsholder med 10 mm justerbar monteringskrue.



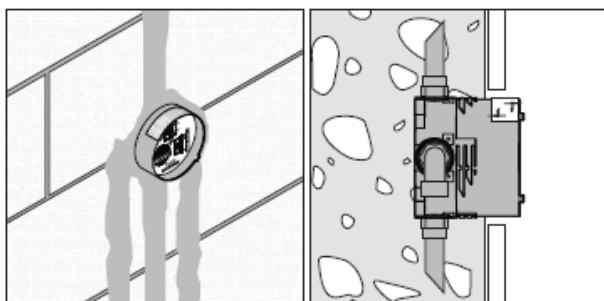
Installation foran væggen:  
Montering på bæresystem.



Installation på montageplade.

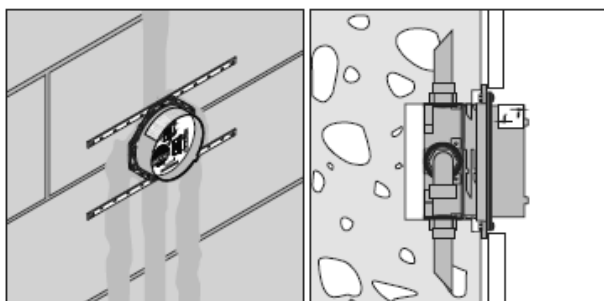


Installation direkte i væggen.



**96615000**

Installation med monterings-skinnesæt.



### Råmontage

Grundkroppen indbygges således, at varmtvandstilslutningen er til venstre og koldt vandstilslutningen er til højre.

Monteringsdybde 80 mm til 108 mm.

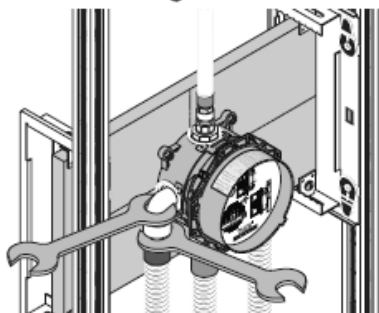
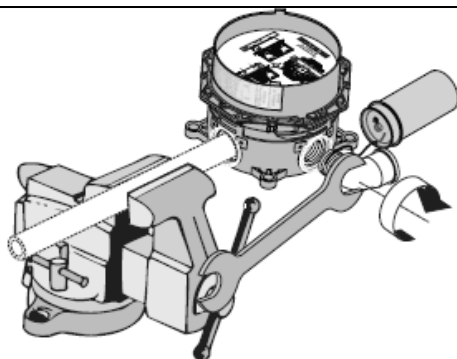
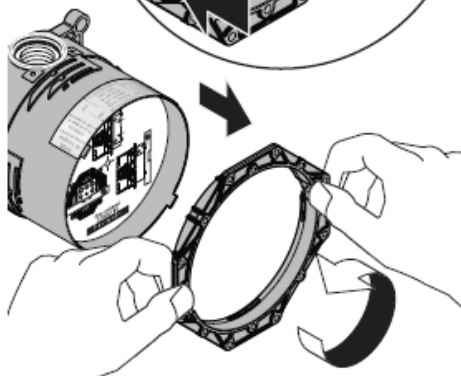
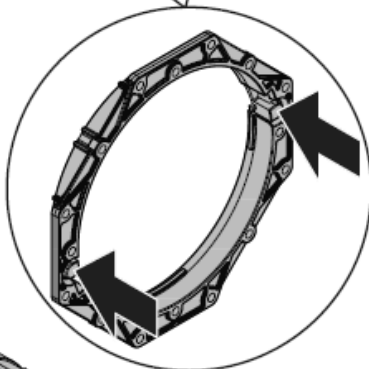
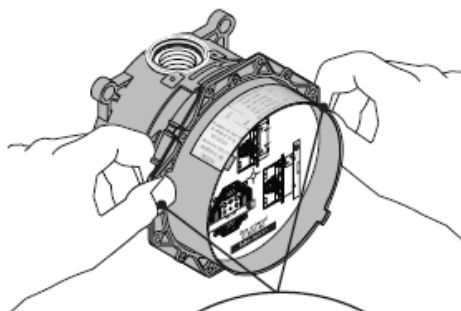
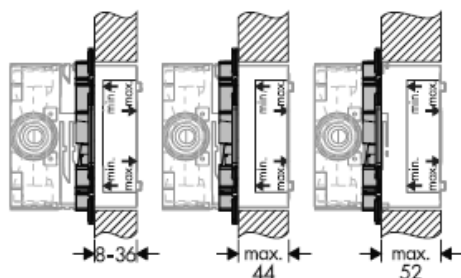
( Forlængersæt 25 mm 13595000 )

For monteringseksempler se s. 126 og 127.

Iboxen er egnet til såvel kar- som til bruseinstallation. Ved 1-grebs karmatur er afgang 1 primærafgang. Ved bruseinstallation skal den overflødige afgang afropes.

### Monterings-tips

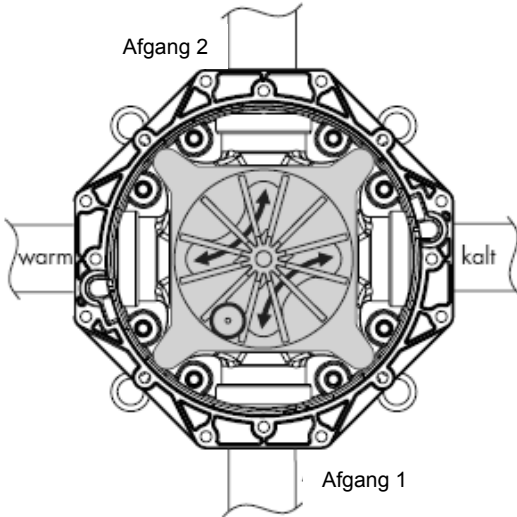
For montering af tilslutningsvinkler, kan iboxen fastspændes i en skruetvinge ved hjælp af et rørstyrkke.





### Gennemskylning

Den komplette installation skal gennemskyllles efter DIN 1988 / EN 1717. Pilene på tegningen viser, hvilke tilgange og afgange der er forbundet med hinanden, f.eks. varmt-vand med afgang. Efter første gennemskylning skal skylleblokken drejes hen på 90 grader.



### Tekniske data

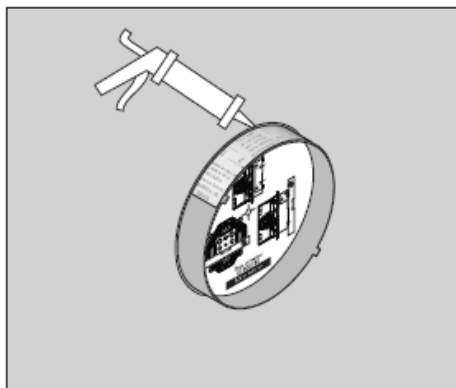
Driftstryk:	Max 1,0 MPa
Anbefalet driftstryk:	0,1 – 0,5 MPa
Prøvetryk:	1,6 MPa
(1 MPa = 10 bar = 147 PSI)	
Varmtvandstemperatur:	max. 80° C
Anbefalet varmtvandstemperatur:	65° C
Tilslutningsmål:	G 3/4"
Tilslutninger	Koldt højre - varmt venstre
Fri gennemstrømning ved 0,3 MPa:	
Kararmaturer Afgang Badekar	31 l/min
Kararmaturer Afgang Bruser	24 l/min
Brusearmaturer	32 l/min
Termostat	43 l/min
Termostat med afspæringsventil	26 l/min
Termostat med afspæringsventil og omskifter	26 l/r
Termostat High Flow	58 l/min

### Godkendelse

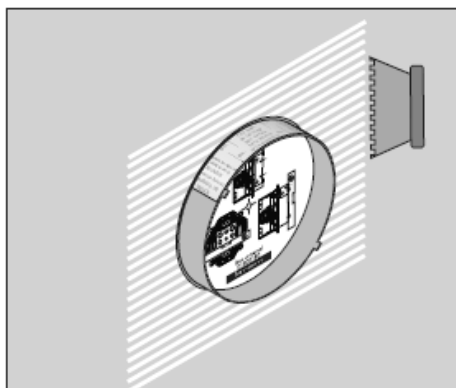
DVGW	P-IX	SVGW	ACS	NF	WRAS	KIWA	DK
X		X					

Der pudses op omkring den indbyggede og afprøvede ibox universal; ved installation foran væggen sættes paneler op.

Når væggen er tør, fuges der med silikone (eddikesyre-fri) rundt om universal iboxens kappe.

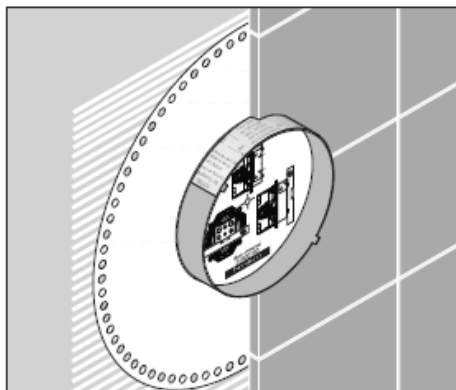


PCI Lastogum of een vergelijkbaar afdichtingsmateriaal (zie voorschriften fabrikant) op de wand aanbrengen.



Tætningsmanchetten trækkes over universal iboxens kunststofkappe og trykkes fast i klæbemassen.

Advarsel! Der må ikke bruges smeltelim til tætningsmanchetten. Pas på ikke at beskadige universal iboxen med klæbemassen.



## Ibox i kombination med Exafill påfyldnings- og overløbsgarniture

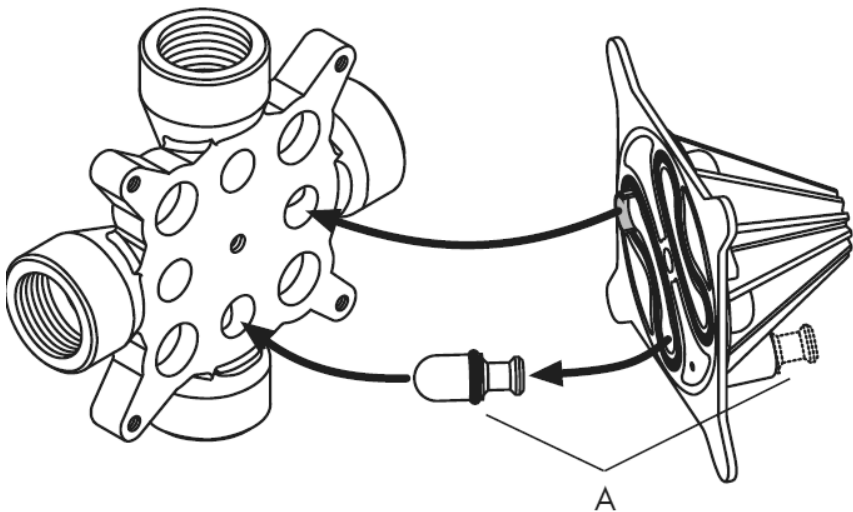
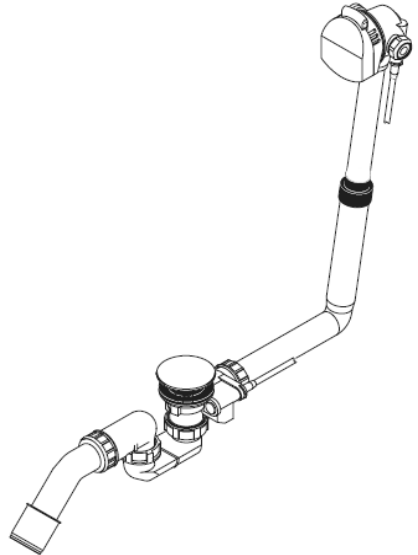
Der skal lukkes for vandet til Exafill ved monteringen.

### Råinstallation

14. Installér universal iboxen (kun vertikal)  
Ledningerne til Exafill monteres
15. Gennemskyl rørsystemet. se s.

### Montering af badekar

43. Exafill monteres på karet og ledningssystemet forbindes
44. Exafill rørsystemet gennemskylles og afprøves for tæthed
45. Luk for hovedhanen
46. Demonter skylleblokken
47. Proppen (A) sættes ind i afgangen til Exafill
48. Montér skylleblokken
49. Tænd for vandet



**hansgrohe**