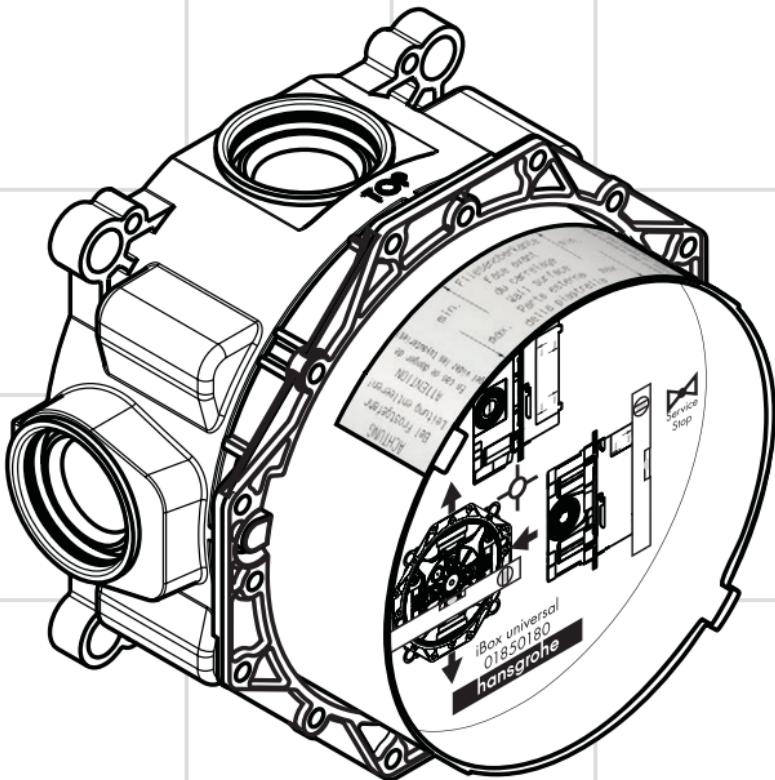
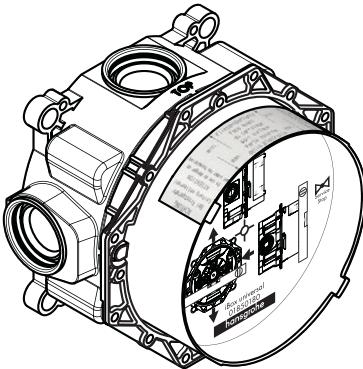


hansgrohe



iBox universal
01850180

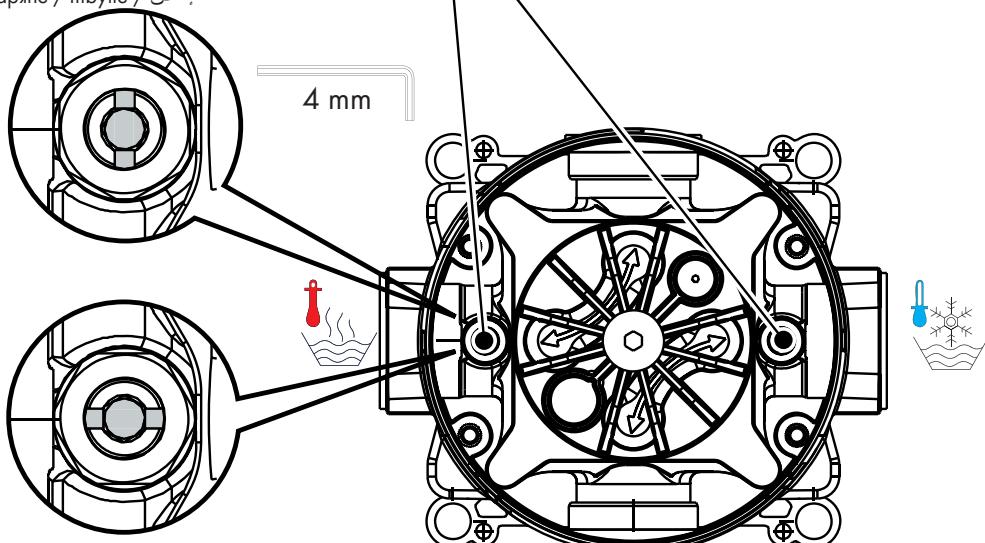


Vorabspernung
pointeau d'arrêt
Isolation valve
Rubinetto arresto
Válvula de cierre
Vóórafsluiter
Forspærre
Válvula de isolamento
Oddzielacz wstępny
izolační ventil
Uzatvárací ventil
隔离阀
Предварительная блокировка
Előlezárás
Esisulkumentilli

Säkerhetsspärr
Uždarymo vožtuvas
Prednja izolacija
Ön kesme
Ventil de închidere la intrare
Διάταξη προκαταβολικής φραγής
Izolacijski ventil
eeltõkesti
Izolācijas vārstīs
Prethodna blokada
Forhåndssperre
Предварително блокиране
Bllokimi paraprak

صمام العزل

schließen / fermé / close / chiudere /
cerrar / sluiten / lukke / fechar /
zamknąć / zavřít / uzavrieť / 关 /
закрыть / bezárás / sulkeminen /
stänga / uždaryti / Zatvaranje /
kapatmak / închide / κλειστό / zapreti /
sulgege / aizvērt / zatvorí / lukke /
затваряне / mbylle / اغلاق /



öffnen / ouvert / open / aperto / abierto / open / åbne /
abrir / otworzyć / otevřít / otvoriť / 打开 / открыть / nyitás /
avaaminen / öppna / atidaryti / Otvaranje / açmak /
deschide / ανοικτό / odpreti / avage / atvērt /
otvoriti / åpne / отваряне / hape / فتح

Rohmontage

Der rotationssymmetrische Grundkörper der iBox ist universell einsetzbar, horizontal wie vertikal. Ausgenommen bei der Montage der Wannenarmatur mit Sicherungskombination, hier ist nur der vertikale Einbau möglich. Da bei einem Defekt der Funktionsteile Wasser an der iBox austreten kann, muss die iBox über der Wanne montiert werden, damit austretendes Wasser in die Wanne abfließen kann!

Die iBox ist sowohl für Wannen- als auch für Brauseinstallation geeignet. Bei Einhand Wannenmischer / Thermostat mit Absperr- und Umstellventil ist der untere Abgang vorrangig. Bei Brauseinstallation muss der nicht benötigte Abgang mit einem Stopfen abgedichtet werden.

Große Druckunterschiede zwischen den Kalt- und Warmwasseranschlüssen müssen ausgeglichen werden.

Grundkörper so einbauen, daß sich der Warmwasseranschluß links und der Kaltwasseranschluß rechts befindet.

Einbautiefe 80 mm bis 108 mm.

Verlängerung 25 mm Artikelnummer 13595000

Verlängerung 22 mm (bei geringer Einbautiefe)

Artikelnummer 13593000 / 13596XXX / 13597XXX / 15597000 / 19427000 / 97407XXX / 98860000

Der Grundkörper kann entsprechend der baulichen Gegebenheiten montiert werden (Montagebeispiele siehe Seite 91 und 92).

- A** Installation auf die Wand.
- B** Installation auf die Wand. Hier mit flexiblem Abstandshalter durch 10er Stockschrauben.
- C** Montage auf Trägersystem.
- D** Installation auf Fertighaus-Montageplatten oder Fertigzellen.
- E** Installation direkt in die Wand.
- F** Installation mit Montageschienenset #96615000.

Installationsbeispiele mit Maßangaben und Leitungsdimensionierung sind ab Seite 96 zu finden. Die Erläuterung der verwendeten Symbole auf Seite 3 und 4.

Die in der Montageanleitung angegebenen Montagemaße sind ideal für Personen von ca. 1800 mm Körpergröße und müssen gegebenenfalls angepasst werden. Hierbei ist darauf zu achten, dass sich bei geänderter Montagehöhe die Mindesthöhe ändert und die Änderung der Anschlussmaße berücksichtigt werden müssen.

Montage-Tipp

Um Anschlussstücke einzudrehen, die iBox mittels eines Rohrstocks in den Schraubstock einspannen.

Spülen

Komplette Installation gemäß DIN 1988 / EN 1717 spülen. Die Pfeile auf dem Spülblock zeigen, welcher Zulauf mit welcher Abgangsleitung verbunden ist, z. B. Kaltwasser mit Abgang 1 und Warmwasser mit Abgang 2. Falls nur ein Abgang benötigt wird, muß nach dem ersten Spülvorgang der Spülblock um 90° gedreht werden.

iBox in Kombination mit einer Exafill Wanneneinlauf mit Ab- und Überlaufgarnitur (siehe Seite 95)

Technische Daten

Betriebsdruck:	max. 1 MPa
Empfohlener Betriebsdruck:	0,1 - 0,5 MPa
Prüfdruck:	1,6 MPa
(1 MPa = 10 bar = 147 PSI)	
Heißwassertemperatur:	max. 80°C
Empfohlene Heißwassertemperatur:	65°C
Anschlussmaße:	G ¾
Anschlüsse:	kalt rechts - warm links
Freier Durchfluss bei 0,3 MPa:	
Wannenmischer:	31 l/min // 24 l/min
Wannenmischer mit integrierter Sicherungskombination:	25 l/min // 24 l/min
Brausemischer:	32 l/min
Thermostat:	43 l/min
Thermostat mit Absperrventil:	26 l/min
Thermostat mit Absperr- und Umstellventil:	26 l/min
Thermostat High Flow:	58 l/min
iControl:	30 l/min

X	Mitte Badewanne / Mitte Duschwanne		Unterputz-Ventil
Y	Maß Y = Mitte Schlauchanschlussbogen bis Mitte Wanneneinlauf dividiert durch 2 (eventuell dem Fliesenraster anpassen).		Quattro Vierwegeumstellung
	Warmwasser		Trio Universal Absperr- und Umstellventil
	Kaltwasser		Trio
	Ab • ist die Funktion gewährleistet.		Wanneneinlauf
	In diesem Bereich ist eine Wandverstärkung notwendig.		Der nicht benötigte Abgang muss mit einem Blindstöpsel abgedichtet werden. (DN 20 ¾")
	Nur ein Verbraucher möglich, nicht zwei gleichzeitig.		Die Ablaufleistung muss mehr als 50 l/min betragen.
	Wasserleitungen für Seitenbrausen mit Gefälle verlegen.		Ablauf
	Spülblock kpl. #15956000, nicht im Lieferumfang enthalten		iBox in Kombination mit einer Exafill Wanneneinlauf mit Ab- und Überlaufgarnitur (siehe Seite 95)
	Wannenmischer mit integrierter Sicherungskombination (siehe Seite 96)		Brausemischer (siehe Seite 104, 106, 110, 124)
	Wannenmischer (siehe Seite 98, 102, 114, 116)		Wanneneinlauf (siehe Seite 102)



Thermostat
(siehe Seite 118, 122, 126)



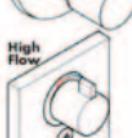
High Flow Thermostat
(siehe Seite 128 - 138, 142, 144,
150 - 158)



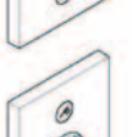
Thermostat mit Absperrventil
(siehe Seite 104, 106, 110, 124)



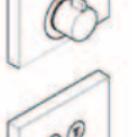
Thermostat mit Absperr- und Umstell-
ventil
(siehe Seite 98, 114, 116, 120)



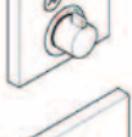
High Flow Thermostat mit Absperr-
ventil
(siehe Seite 140, 146, 148)



Thermostat mit Absperrventil
(siehe Seite 104, 106, 110)



Thermostat mit Absperrventil
(siehe Seite 98, 114, 116, 120)



Thermostat mit Absperrventil
(siehe Seite 100, 112)



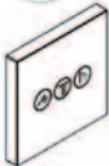
ShowerSelect Brausemischer
(siehe Seite 104, 106, 110)



ShowerSelect Wannenmischer
(siehe Seite 98, 114, 116, 120)



iControl
Absperr- und Umstellventil (siehe Seite
150)



ShowerSelect
3 x Absperrventil (siehe Seite 144,
146 - 150, 158)

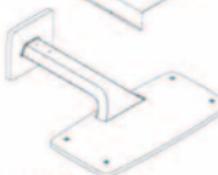


Raindance Showerpipe
(siehe Seite 108)

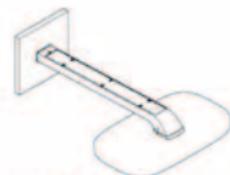
Raindance Rainfall 240
(siehe Seite 140, 142)



Raindance Rainfall 180
(siehe Seite 154 - 158)



Raindance E 420
(siehe Seite 150, 152)



Raindance Select E 300
(siehe Seite 148)

Montage de base

La pièce de base rotative symétrique de l'iBox a une possibilité de montage universel, horizontal comme vertical. Sauf pour le montage d'un mitigeur bain-douche avec disconnecteur ou là le montage vertical seulement est possible. Parce que l'eau pourrait fuir de l'iBox en cas de défaillance des pièces de fonctionnement, l'iBox doit être monté au dessus de la baignoire pour que la fuite puisse s'écouler dans la baignoire.

L'iBox est appropriée aussi bien pour les baignoires que pour les douches. Pour un mitigeur bain/douche / mitigeur thermostatique avec robinet d'arrêt et inverseur, la sortie inférieure est prioritaire. Pour une installation de douche, la sortie non utilisée doit être condamnée avec un bouchon.

Il est conseillé d'équilibrer les pressions de l'eau chaude et froide.

Monter la pièce de base pour que l'eau chaude arrive sur le côté gauche et l'eau froide sur le côté droit.

Profondeur d'encastrement: 80 mm à 108 mm.

jeu de rallonge 25 mm référence 13595000

Rallonge de 22 mm (pour profondeur de montage trop faible)

référence 13593000 / 13596XXX / 13597XXX / 15597000 / 19427000 / 97407XXX / 98860000

La pièce de base peut être installée selon les différentes (possibilités voir pages 91 et 92).

- A** Installation au mur.
- B** Installation au mur avec une vis de distance.
- C** Montage sur système support.
- D** Installation sur des panneaux de montage préfabriqués.
- E** Installation directement dans le mur.
- F** Installation avec rail de fixation #96615000.

Des exemples d'installation avec indication de cotes et dimensions des conduites sont fournis à partir de la page 96. Les symboles utilisés sont expliqués à la page 6 et 7.

Les dimensions d'installation indiquées dans la notice de montage sont idéales pour des personnes d'une taille de 1800 mm environ et doivent être ajustées selon le cas. Tenir compte pour cela du fait qu'un changement de hauteur modifie la hauteur minimum et que la modification des cotés de raccord doit entrer en ligne de compte.

Exemple de montage

Pour monter les différents raccords, on peut fixer l'iBox grâce à un tuyau et un étai.

Rinçage

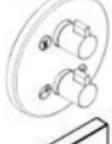
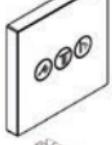
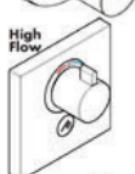
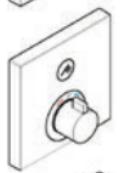
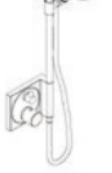
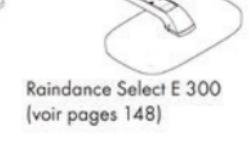
Rincer l'installation complète conformément à la réglementation et aux normes. Les flèches sur le bloc de rinçage indiquent l'arrivée et la sortie qui doivent être raccordés, par exemple eau froide avec sortie 1 et eau chaude avec sortie 2. Si on utilise seulement une sortie, on devra après le premier rinçage tourner de 90° le bloc de rinçage.

iBox en combinaison avec un remplissage exafill avec mécanisme de vidage et de trop plein (voir page 95)

Informations techniques

Pression de service autorisée:	max. 1 MPa
Pression de service conseillée:	0,1 - 0,5 MPa
Pression maximum de contrôle:	1,6 MPa
(1 MPa = 10 bar = 147 PSI)	
Température d'eau chaude:	max. 80°C
Température recommandée:	65°C
Dimension d'arrivée:	G 3/4
Raccordement:	froide à droite - chaude à gauche
Débit libre à 0,3 MPa:	
Mitigeur bains-douches:	31 l/min // 24 l/min
Mitigeur bains-douches avec disconnecteur:	25 l/min // 24 l/min
Mitigeur douche:	32 l/min
Mitigeur thermostatique:	43 l/min
Mitigeur thermostatique avec robinet d'arrêt:	26 l/min
Mitigeur thermostatique avec robinet d'arrêt et inverseur:	26 l/min
Mitigeur thermostatique High Flow:	58 l/min
iControl:	30 l/min

X	Centre de la baignoire / Centre cuvette de douche		Robinet d'arrêt encastré
Y	Dimension Y = du centre raccord coudé de douche au centre bec déverseur divisé par 2 (éventuellement s'adapter au carrelage).		Quattro inverseur quatre voies
	Eau chaude		Trio Robinet d'arrêt avec inverseur
	Eau froide		Trio
	A partir de • le fonctionnement est garanti.		Bec déverseur
	Le mur n'a pas besoin d'être renforcé à cet endroit		La sortie non utilisée doit être condamnée avec un bouchon laiton. (DN 20 3/4")
	Une seule utilisation possible, pas les deux ensemble.		Le débit de vidage doit être supérieur à 50 l/min.
	La tuyauterie des douchettes latérales à installer avec une pente.		Vidage
	bloc d'essai #15956000, ne fait pas partie de la fourniture		iBox en combinaison avec un remplissage exafill avec mécanisme de vidage et de trop plein (voir page 95)
	Mitigeur bains-douches avec disconnecteur (voir pages 96)		Mitigeur douche (voir pages 104, 106, 110, 124)
	Mitigeur bains-douches (voir pages 98, 102, 114, 116)		Bec déverseur (voir pages 102)

	Mitigeur thermostatique (voir pages 118, 122, 126)		ShowerSelect Mitigeur douche (voir pages 104, 106, 110)
	High Flow Mitigeur thermostatique (voir pages 128 - 138, 142, 144, 150 - 158)		ShowerSelect Mitigeur bains-douches (voir pages 98, 114, 116, 120)
	Mitigeur thermostatique avec robinet d'arrêt (voir pages 104, 106, 110, 124)		iControl Robinet d'arrêt et inverseur (voir pages 150)
	Mitigeur thermostatique avec robinet d'arrêt et inverseur (voir pages 98, 114, 116, 120)		ShowerSelect 3 x robinet d'arrêt (voir pages 144, 146 - 150, 158)
	High Flow Mitigeur thermostatique avec robinet d'arrêt (voir pages 140, 146, 148)		Raindance Showerpipe (voir pages 108)
	Mitigeur thermostatique avec robinet d'arrêt (voir pages 104, 106, 110)		Raindance Rainfall 240 (voir pages 140, 142)
	Mitigeur thermostatique avec robinet d'arrêt (voir pages 98, 114, 116, 120)		Raindance Rainfall 180 (voir pages 154 - 158)
	Mitigeur thermostatique avec robinet d'arrêt (voir pages 100, 112)		Raindance E 420 (voir pages 150, 152)
			Raindance Select E 300 (voir pages 148)

Concealed installation

The rotation symmetrical body is horizontal and vertical usable. Only exception installing the bath-shower mixer with integrated safety combination. In this case only a vertically installation is possible. Install the iBox always above the bath-tub. If parts of the iBox will broken, the water can flow in there!

The iBox is suitable for both bath and shower applications. When using the bath-shower mixer / thermostatic mixer with shut off and diverter unit outlet, the lower outlet must have priority. For shower applications, plug the unused outlet with a plug.

The hot and cold supplies must be of equal pressures.

Install body with the hot water supply left and cold water supply right.

Depth of fitting: 80 mm to 108 mm.

extension 25 mm article number 13595000

Extension Set 22 mm (when wall is not deep enough).

article number 13593000 / 13596XXX / 13597XXX / 15597000 / 19427000 / 97407XXX / 98860000

The iBox can depending on the building application be mounted in different ways, Installation examples please see page 91 and 92.

- A** Direct wall installation.
- B** Direct wall installation with 10 mm adjustable mounting studs.
- C** Installation on carrier system.
- D** Hollow wall installation.
- E** Brick wall installation.
- F** Installation with fixation set #96615000.

Installation examples with measurements and pipe dimensions can be found starting on page 96. The used symbols are explained on pages 9 and 10.

The installation dimensions stated in these installation instructions are ideal for people of approximately 1800 mm in body height. The dimensions can be altered if required. In this case, pay attention to the fact that a change of installation height will also change the minimum height, and that the altered mounting dimensions must be taken into consideration.

Installation tip

To install the supply pipes, fix the iBox with a pipe in a vice.

Flush piping system

To complete the installation flush out both hot and cold water supply. The arrows on the flush body are showing, which inlet is connected with which outlet, for example cold water supply with outlet 1 and hot water supply with outlet 2. If only one outlet is in use, after first flushing the flush body must be turned about 90°.

iBox in combinaton with an Exafill bath filler with overflow and waste (see page 95)

Technical Data

Operating pressure:	max. 1 MPa
Recommended operating pressure:	0,1 - 0,5 MPa
Test pressure:	1,6 MPa
(1 MPa = 10 bar = 147 PSI)	
Hot water temperature:	max. 80°C
Recommended hot water temp.:	65°C
Centre distance:	G ¾
Connections:	cold right - hot left
Rate of flow by 0,3 MPa:	
Bath-shower mixer:	31 l/min // 24 l/min
Bath-shower mixer with integrated safety combination:	25 l/min // 24 l/min
Shower mixer:	32 l/min
Thermostatic mixer:	43 l/min
Thermostatic mixer with shut off unit:	26 l/min
Thermostatic mixer with shut off and diverter unit:	26 l/min
Thermostatic mixer High Flow:	58 l/min
iControl:	30 l/min

English

X	Center bath tub / Center shower tub		Shut off valve
Y	Dimension Y = center of hose wall outlet elbow to centre of bath filler divided by 2 (match to tile layout if applicable).		Quattro 4-Way Diverter Valve
	Warm water		Trio 2-Way Diverter Valve with integrated Shut-off valve
	Cold water		Trio 2-Way Diverter Valve with integrated Shut-off valve
	From • the function is guaranteed.		Bath Spout
	The wall must be reinforced in this area.		Plug the unused outlet. (DN 20 3/4")
	Only one function is possible.		The waste drain performance must be more than 50 l/min.
	Install water pipes for body showers with a gradient.		Waste
	flushing unit complete #15956000, order as an extra		iBox in combination with an Exafill bath filler with overflow and waste (see page 95)
	Bath-shower mixer with integrated safety combination (see page 96)		Shower mixer (see page 104, 106, 110, 124)
	Bath-shower mixer (see page 98, 102, 114, 116)		Bath Spout (see page 102)



Thermostatic mixer
(see page 118, 122, 126)



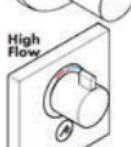
High Flow Thermostatic mixer
(see page 128 - 138, 142, 144,
150 - 158)



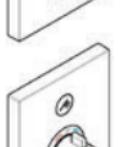
Thermostatic mixer with shut off unit
(see page 104, 106, 110, 124)



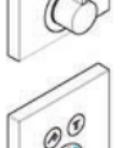
Thermostatic mixer with shut off and
diverter unit
(see page 98, 114, 116, 120)



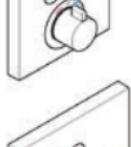
High Flow Thermostatic mixer with shut
off unit
(see page 140, 146, 148)



Thermostatic mixer with shut off unit
(see page 104, 106, 110)



Thermostatic mixer with shut off unit
(see page 98, 114, 116, 120)



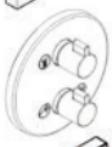
Thermostatic mixer with shut off unit
(see page 100, 112)



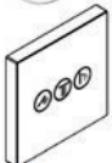
ShowerSelect Shower mixer
(see page 104, 106, 110)



ShowerSelect Bath-shower mixer
(see page 98, 114, 116, 120)



iControl
Shut off and diverter unit (see page
150)

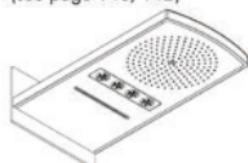


ShowerSelect
3 x stop valve (see page 144, 146 -
150, 158)

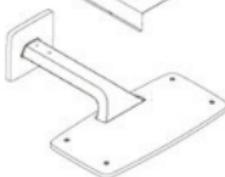
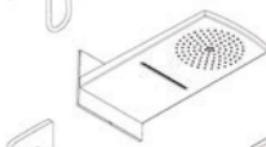


Raindance Showerpipe
(see page 108)

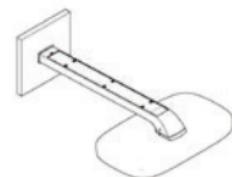
Raindance Rainfall 240
(see page 140, 142)



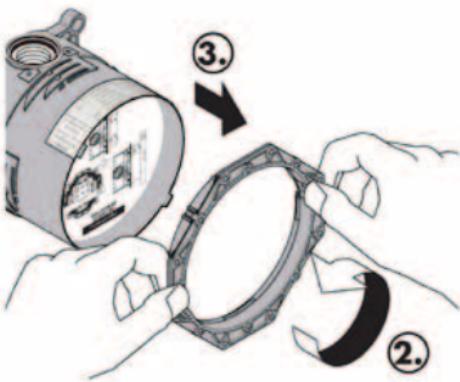
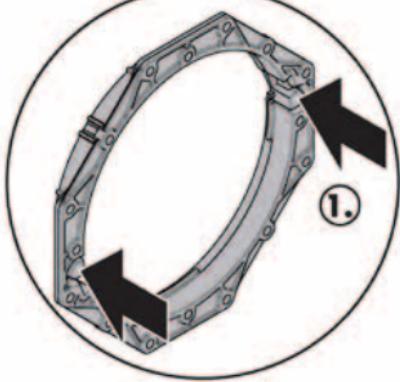
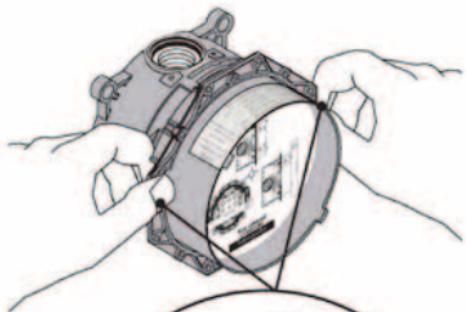
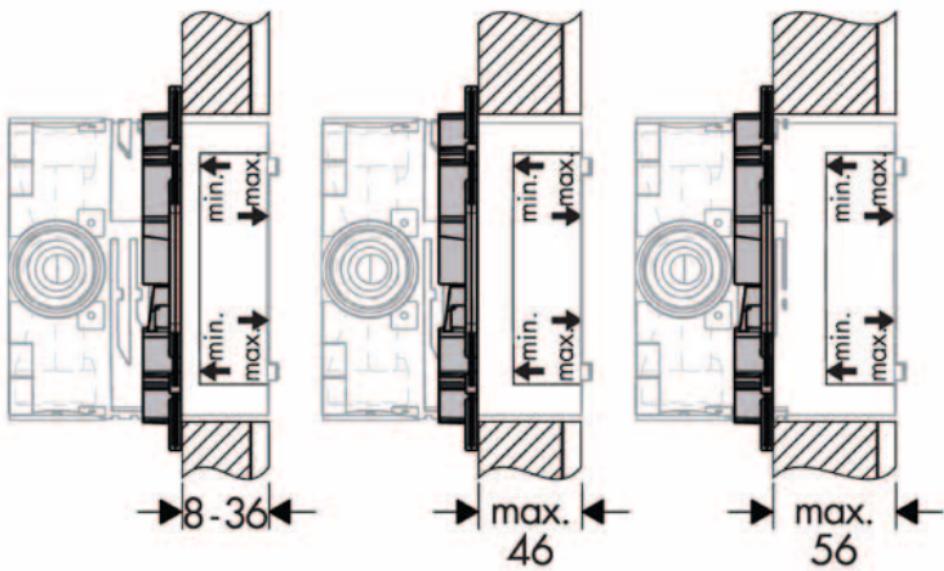
Raindance Rainfall 180
(see page 154 - 158)

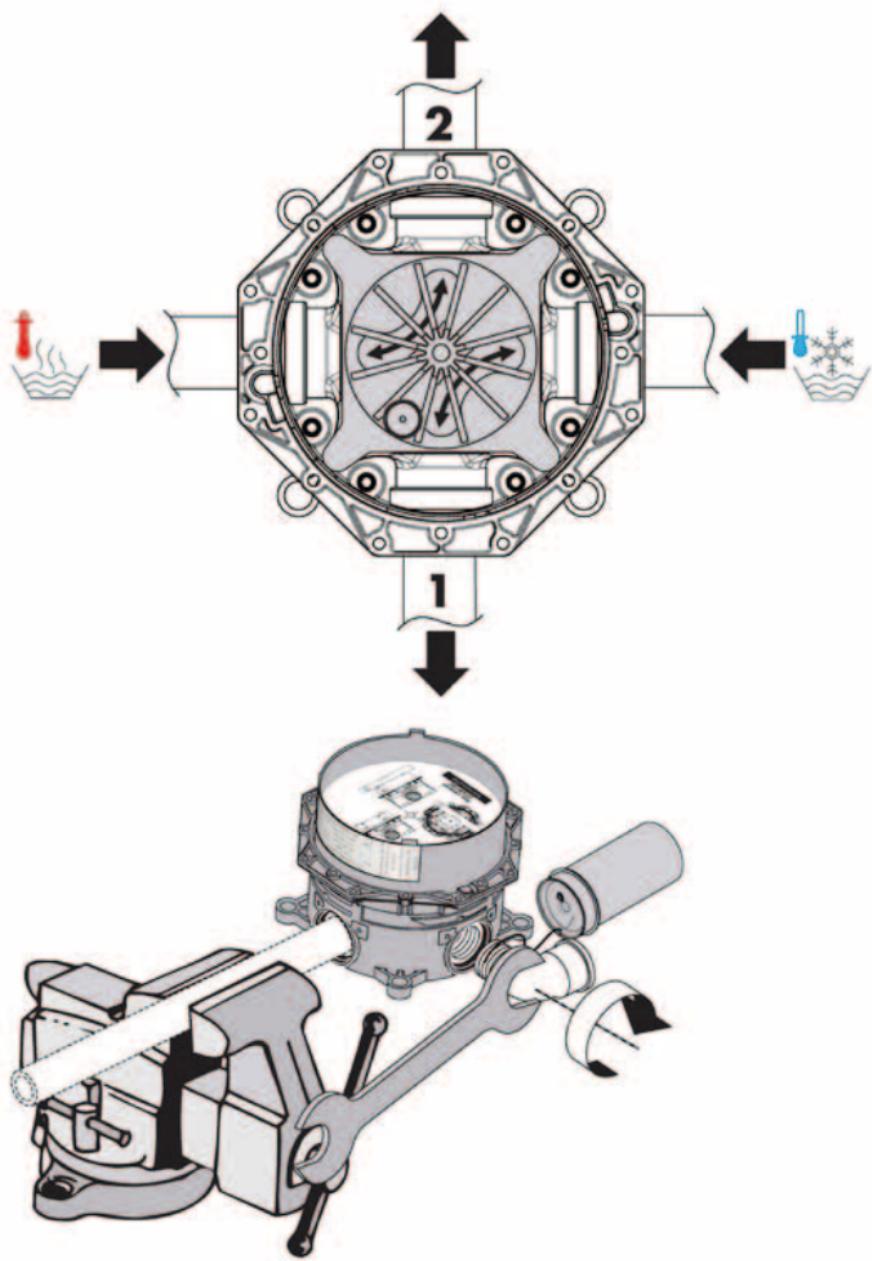


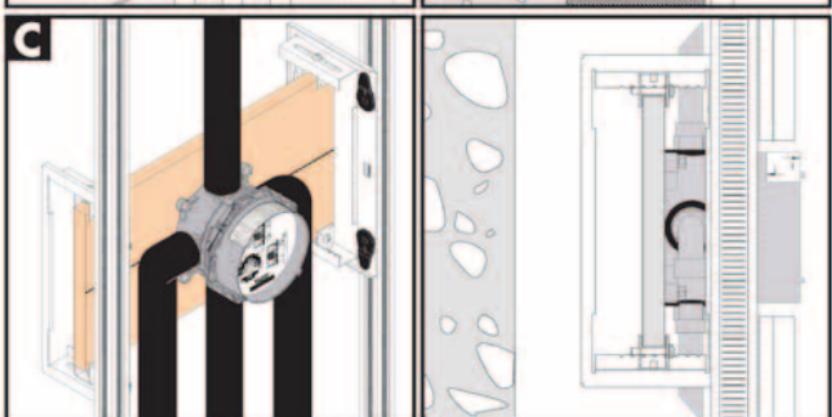
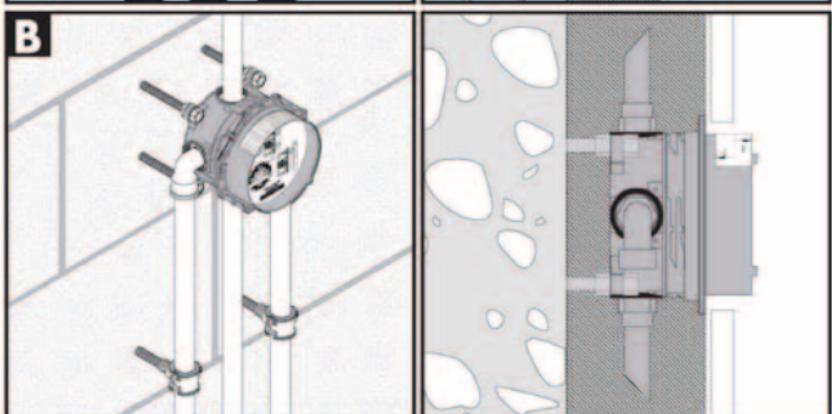
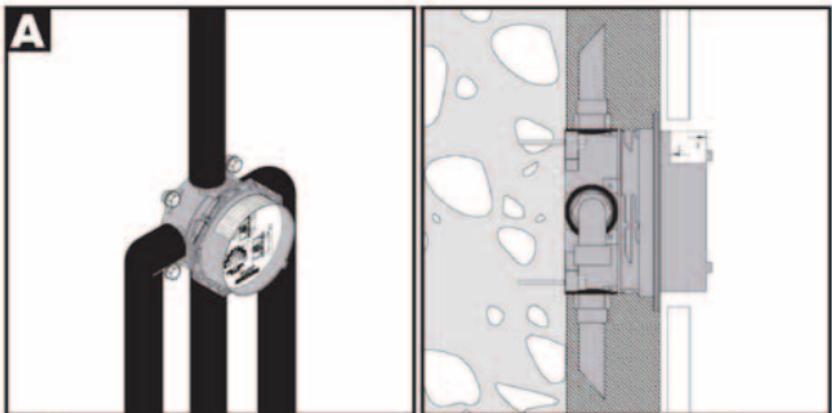
Raindance E 420
(see page 150, 152)

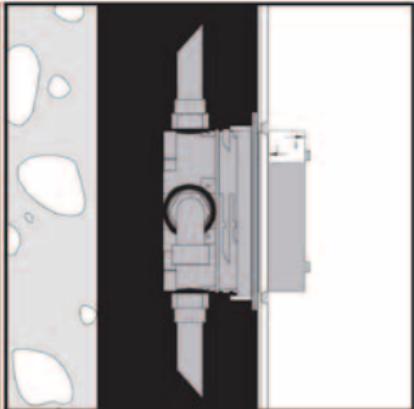
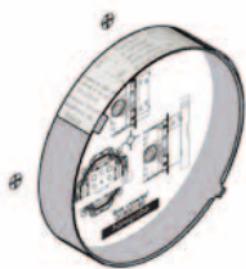
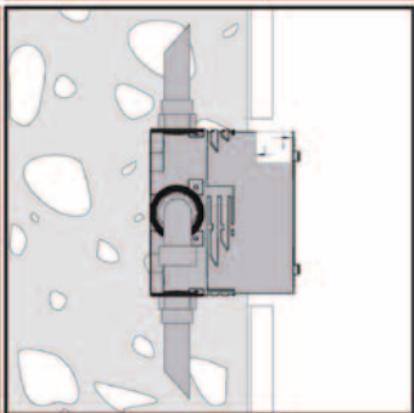
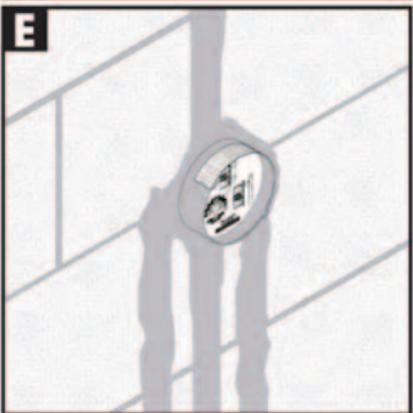
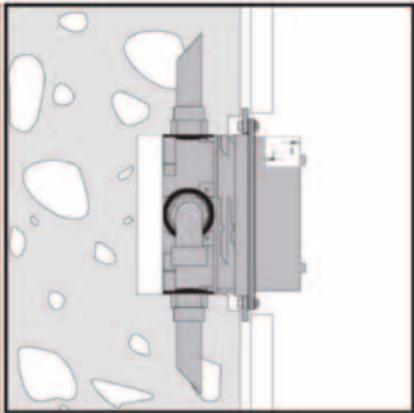
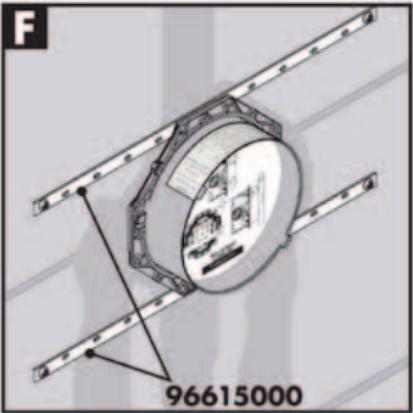


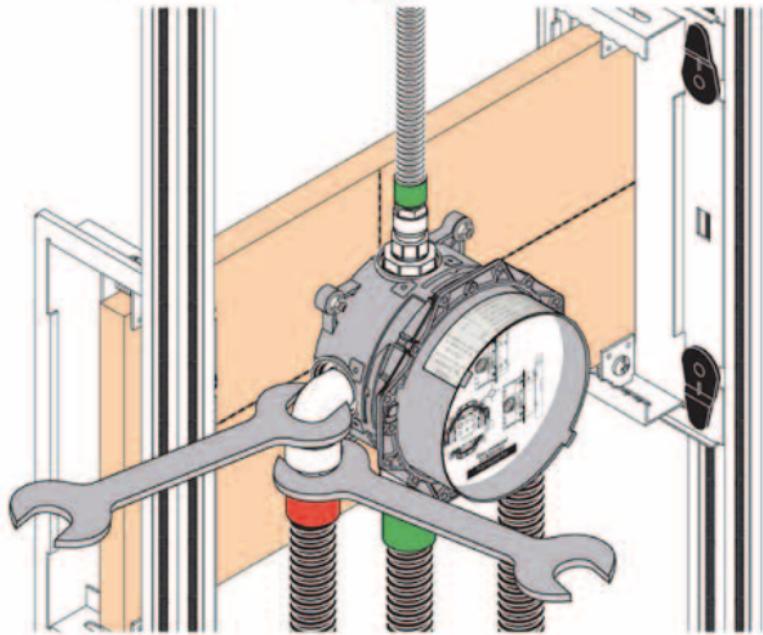
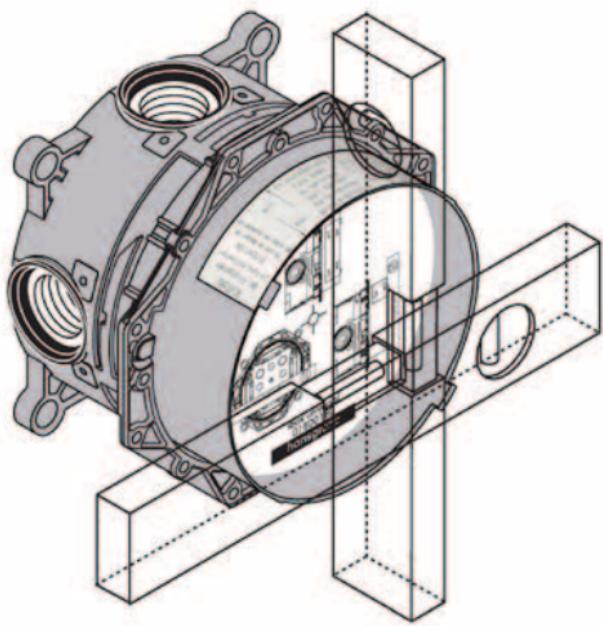
Raindance Select E 300
(see page 148)

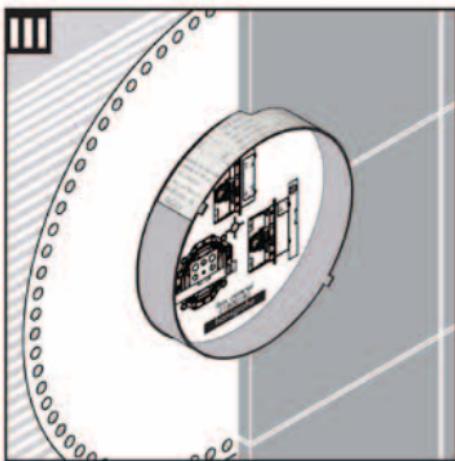
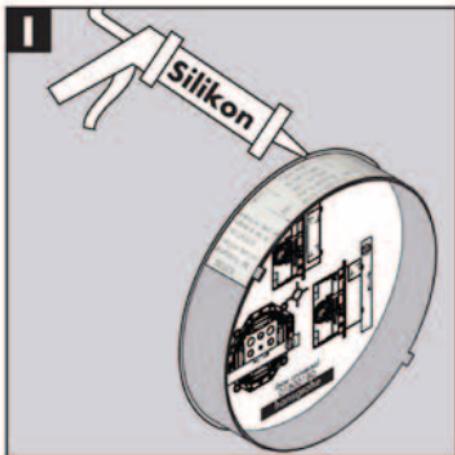






D**E****F**



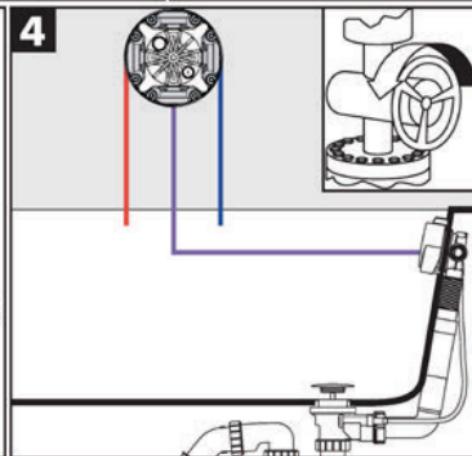
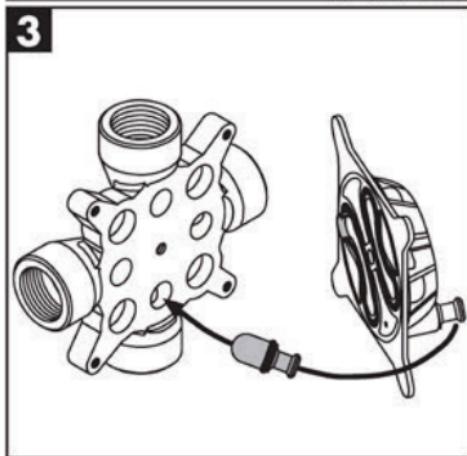
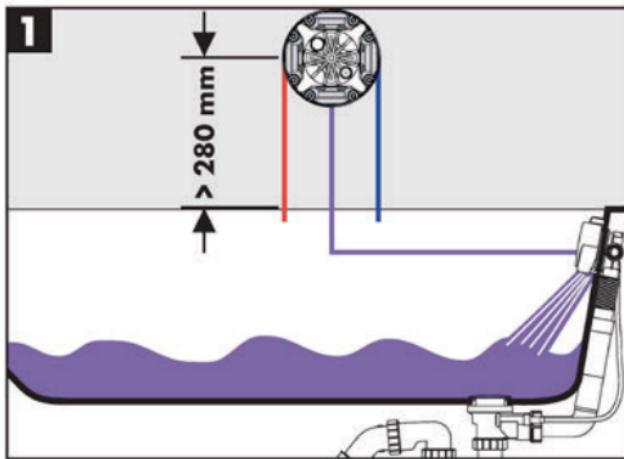
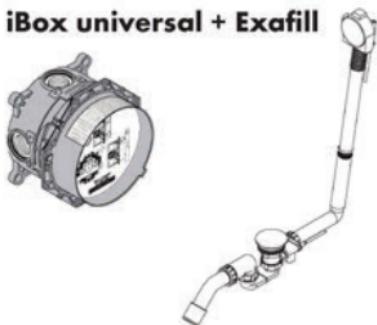


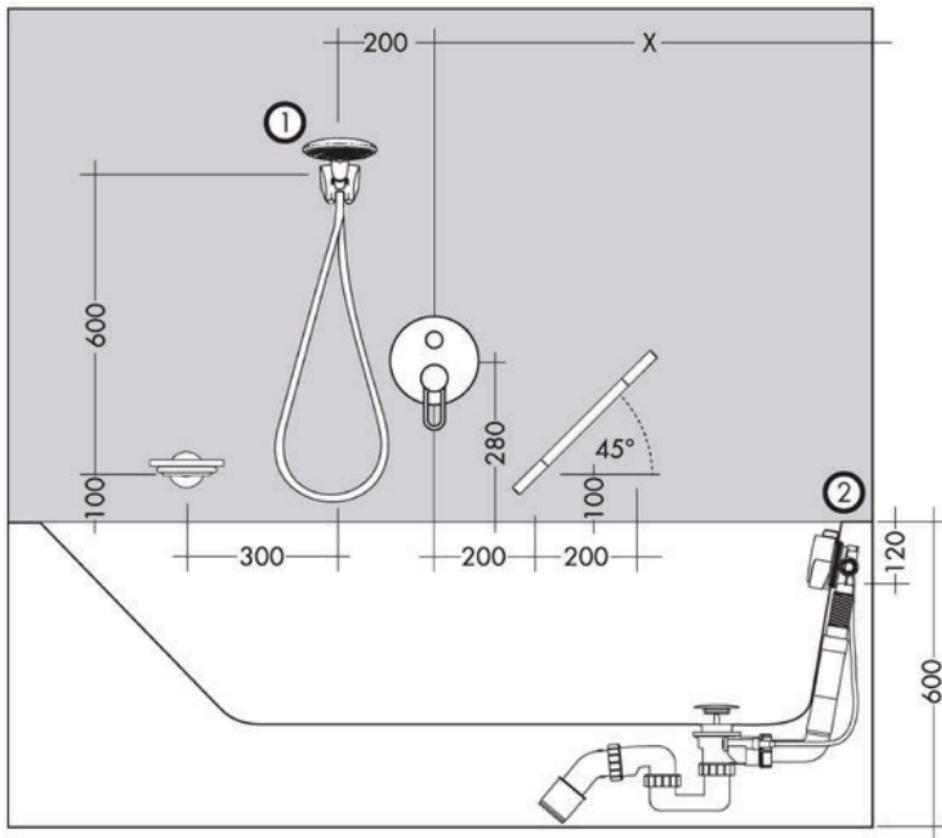
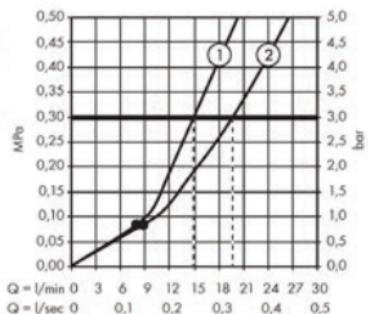
Prüfzeichen / Classification acoustique et débit / Test certificate / Segno di verifica / Marca de verificación / Keurmerk / Godkendelse / Marca de controlo / Znak jakości / Zkušební značka / Osvedčenie o skúške / 檢驗標誌 / Знак технического контроля / Vizsgajel / Koestusmerkki / Testsigill / Bandymo pažyma / Oznaka testiranja / Kontrol işaret / Certificat de testare / Σήμα επέλεχου / Preskusni znak / Kontrollsertifikaat / Pārbaudes zīme / Ispitni znak / Pravemerke / Контролен знак / Shenja e kontrollit / شهادة اختبار

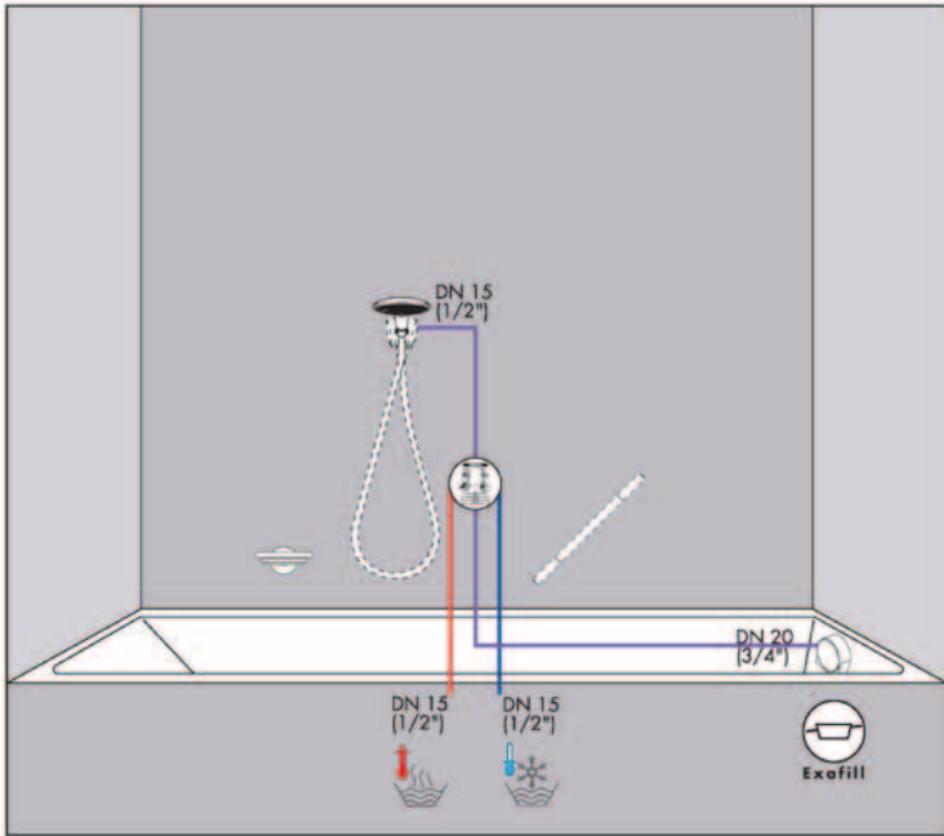
P-IX	DVGW	SVGW	WRAS	KIWA	ACS
PA-IX 18989/ID	BP5615	X	X	X	X

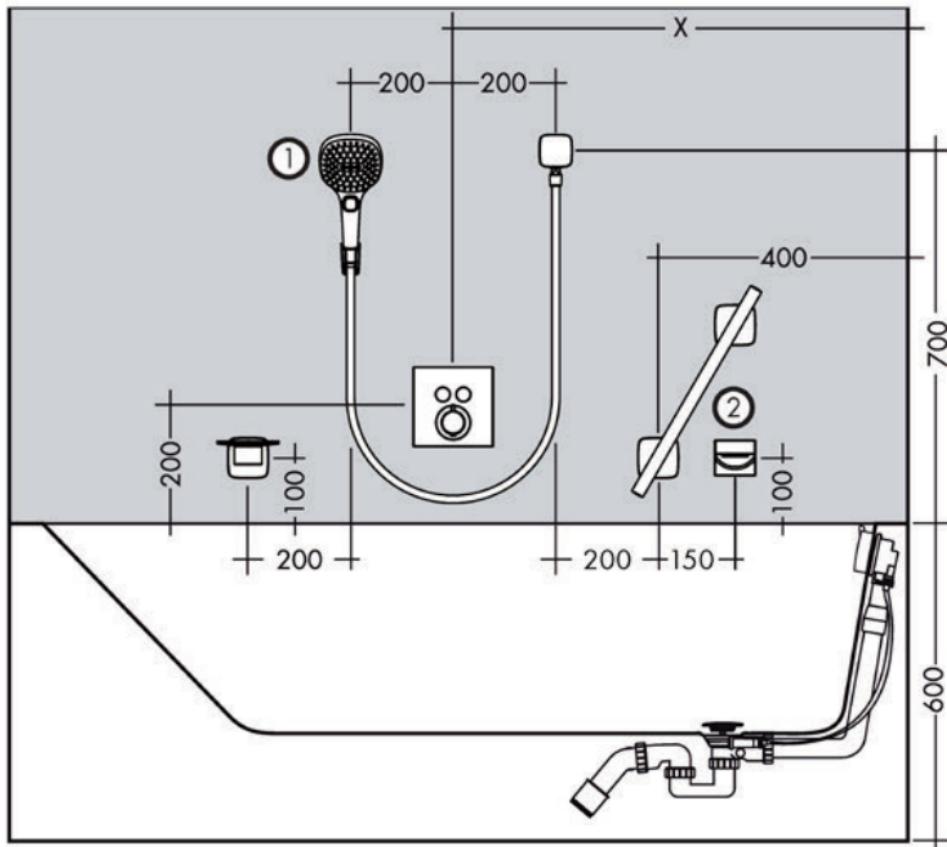
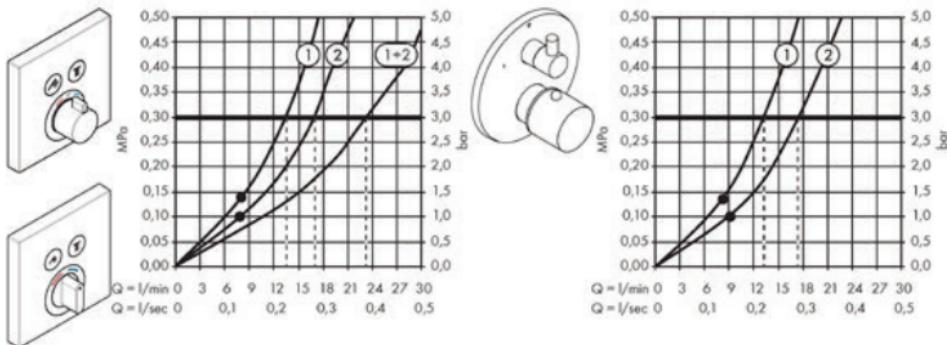


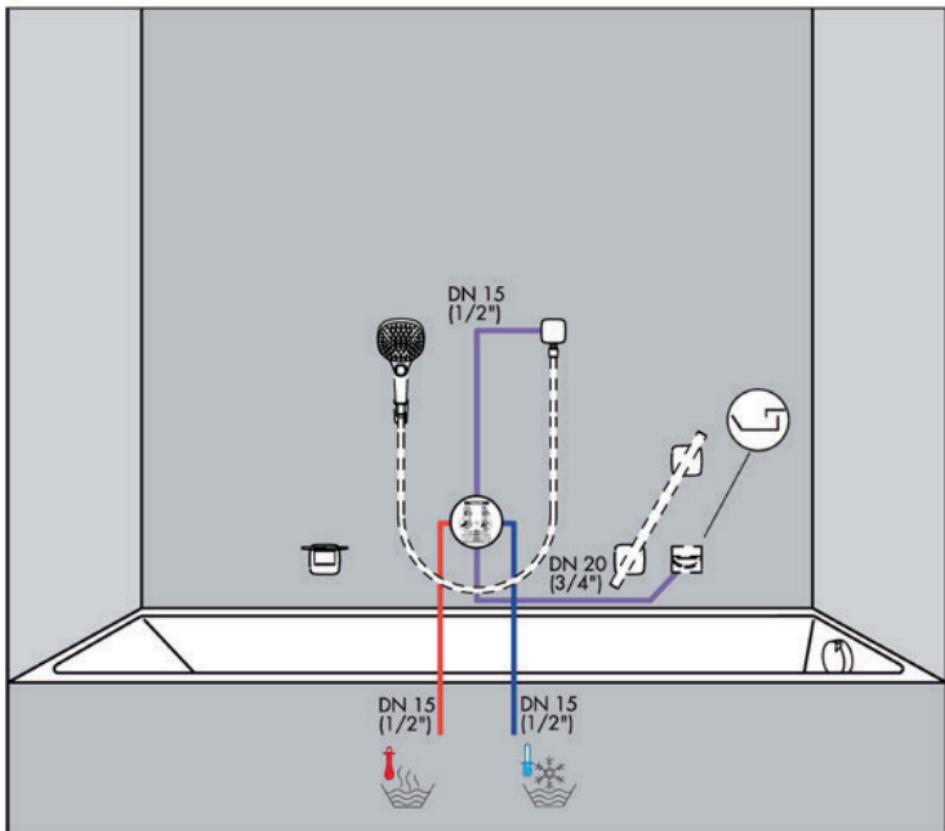
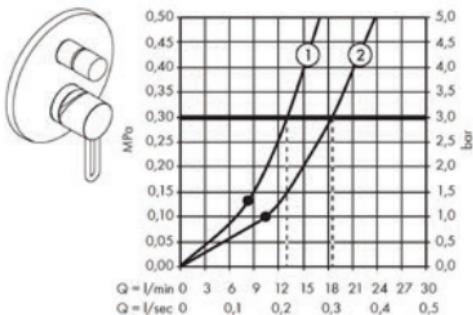
iBox universal + Exafill

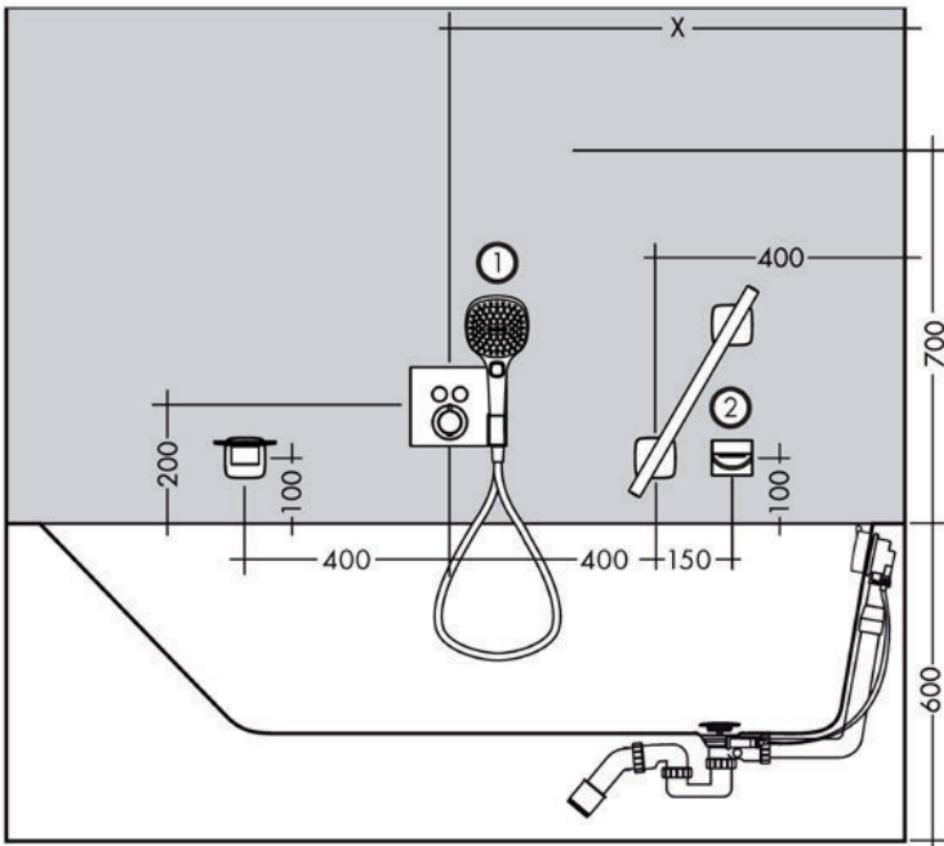
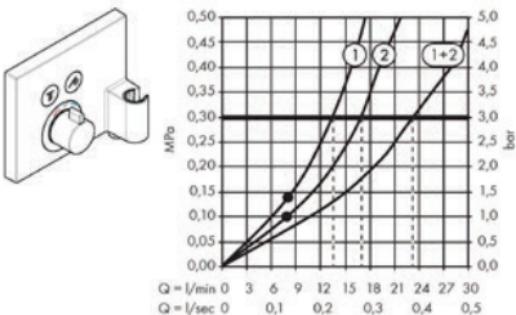


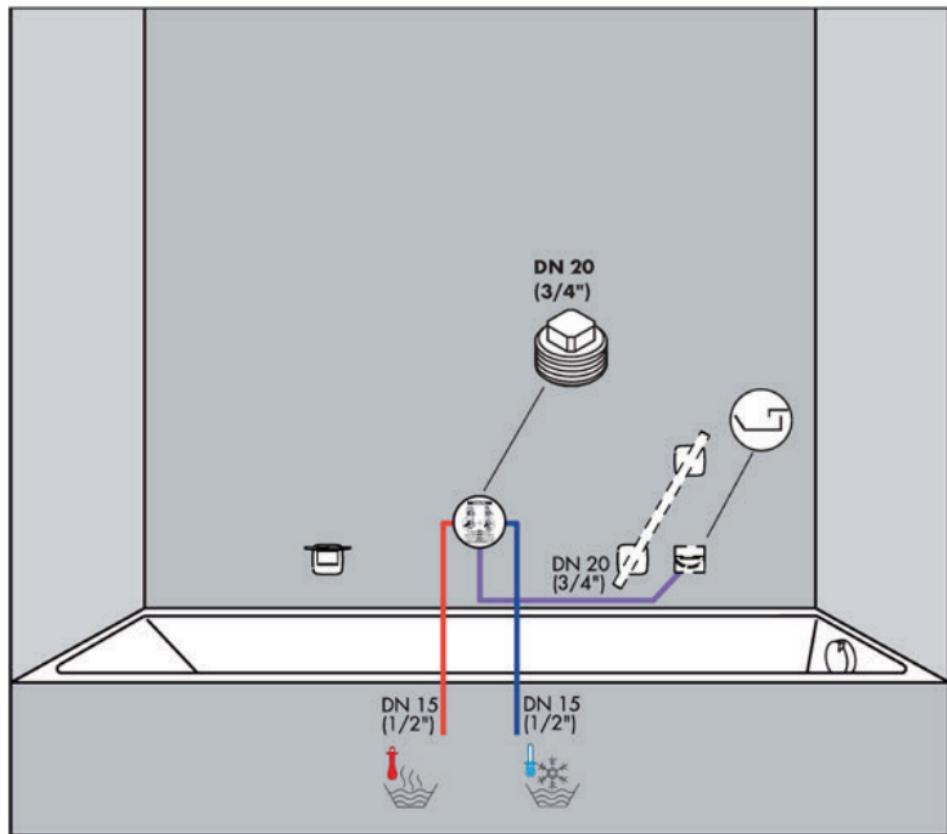


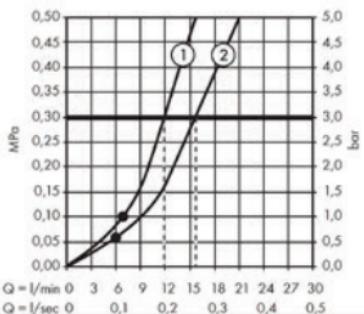




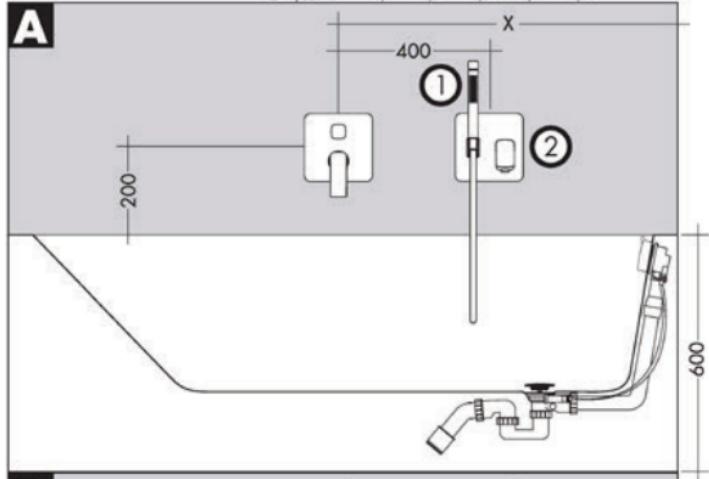




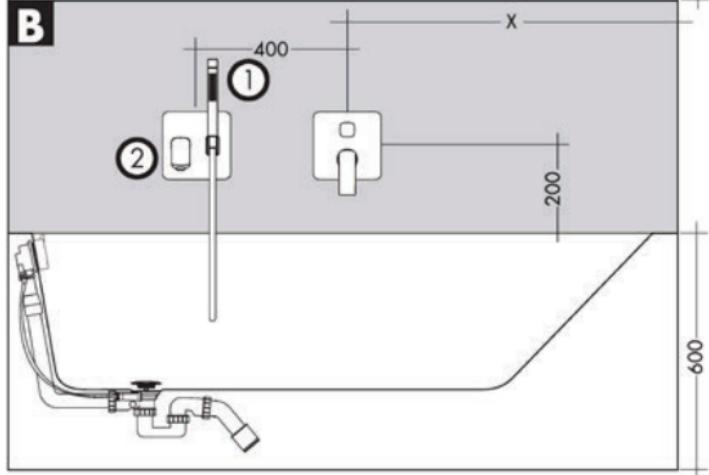


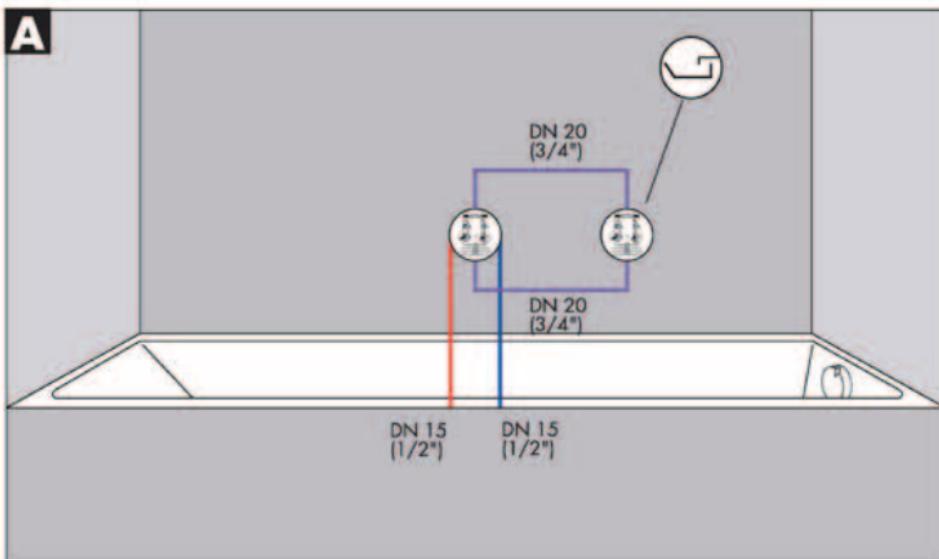
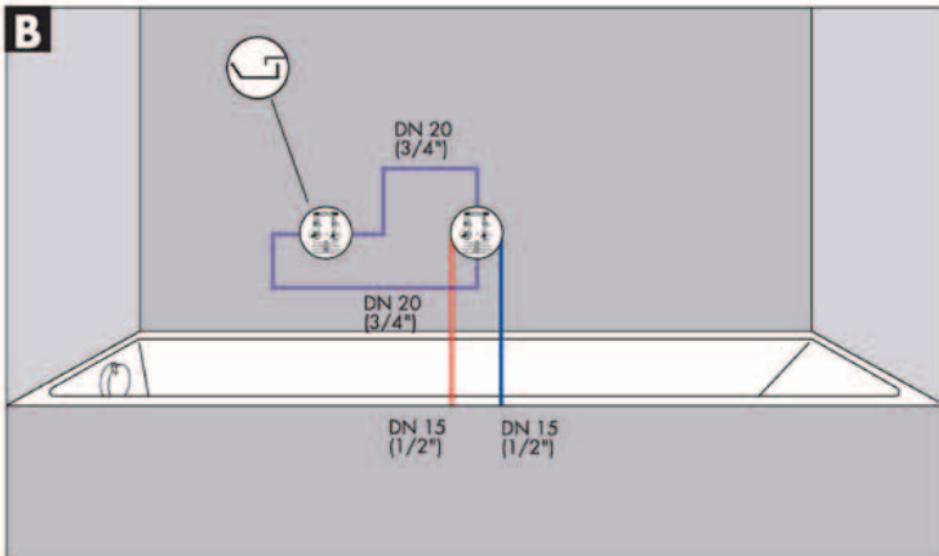


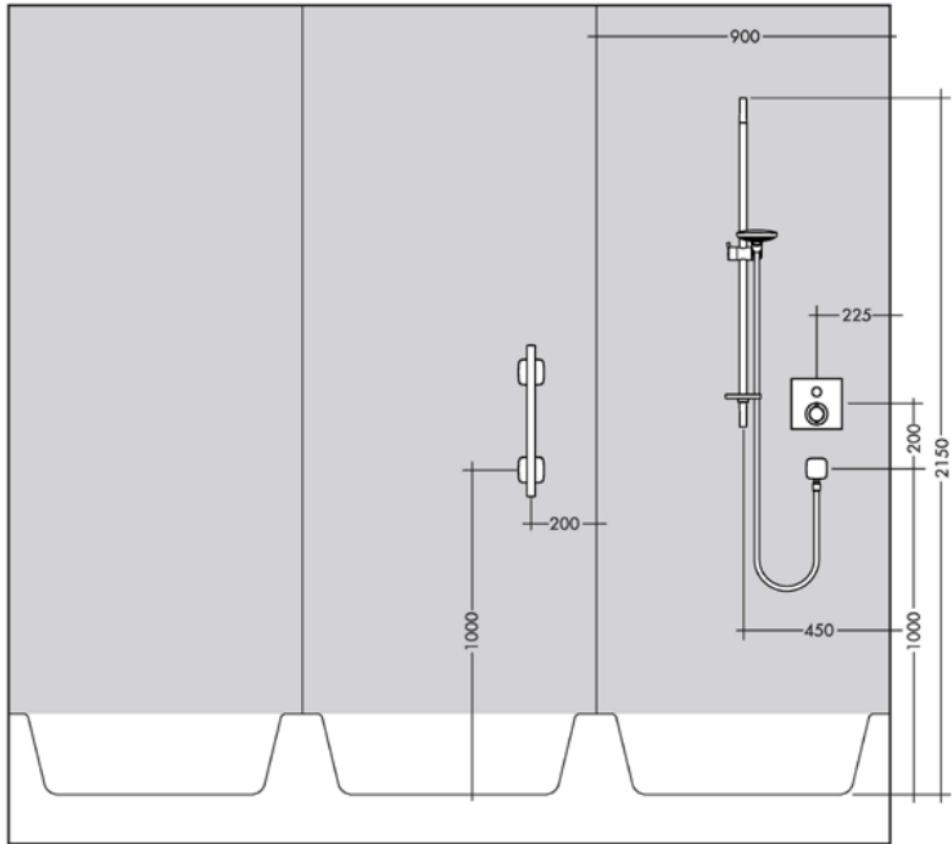
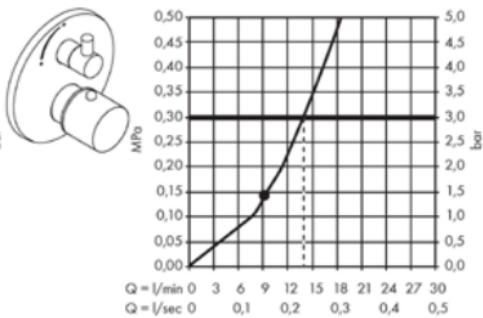
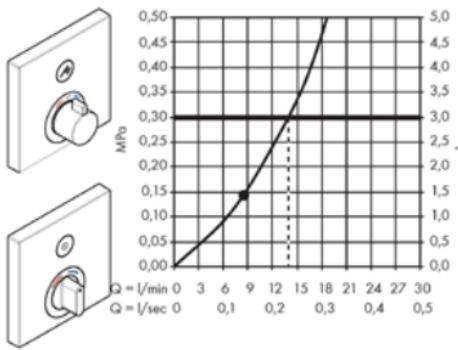
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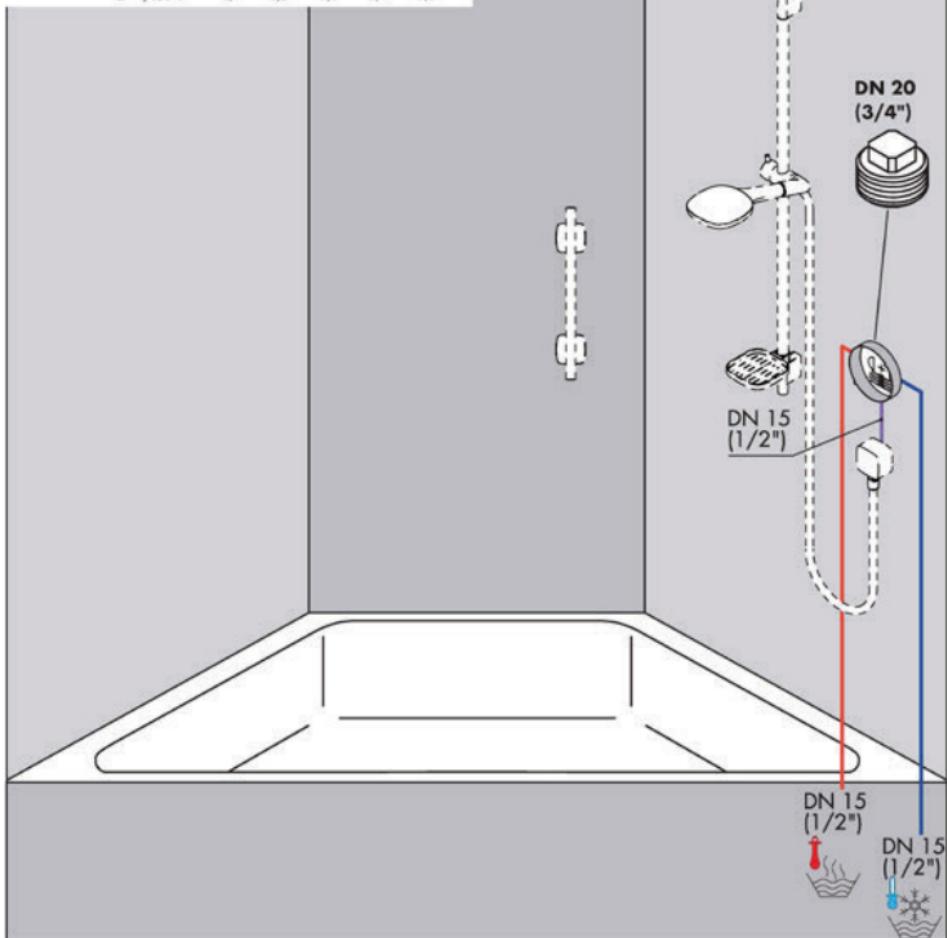
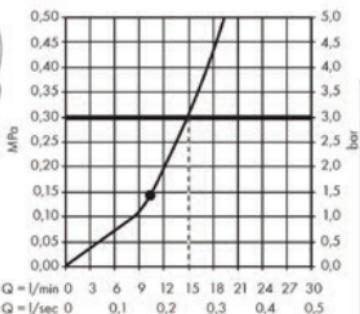


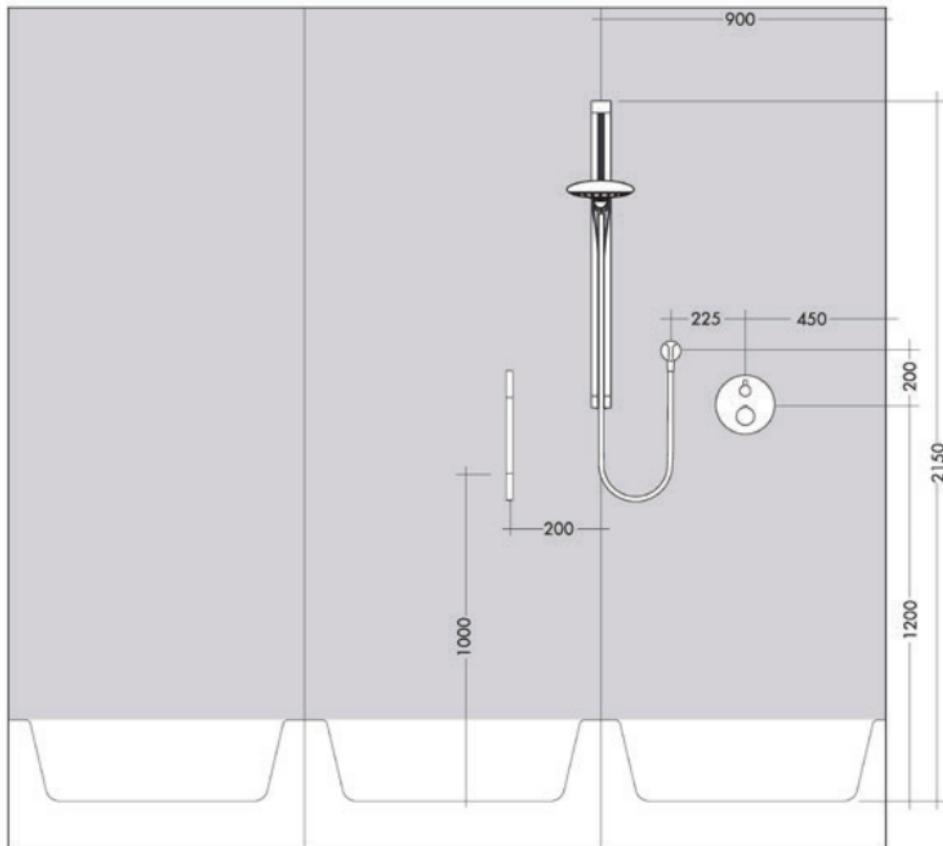
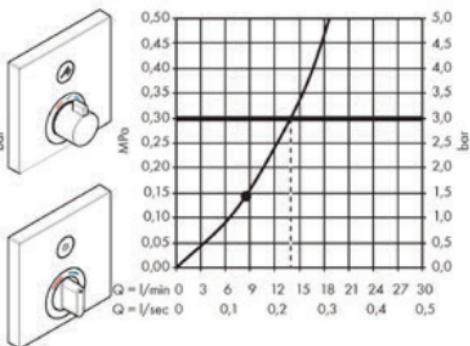
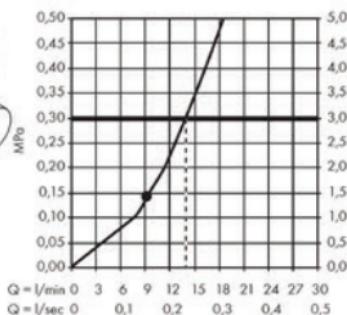
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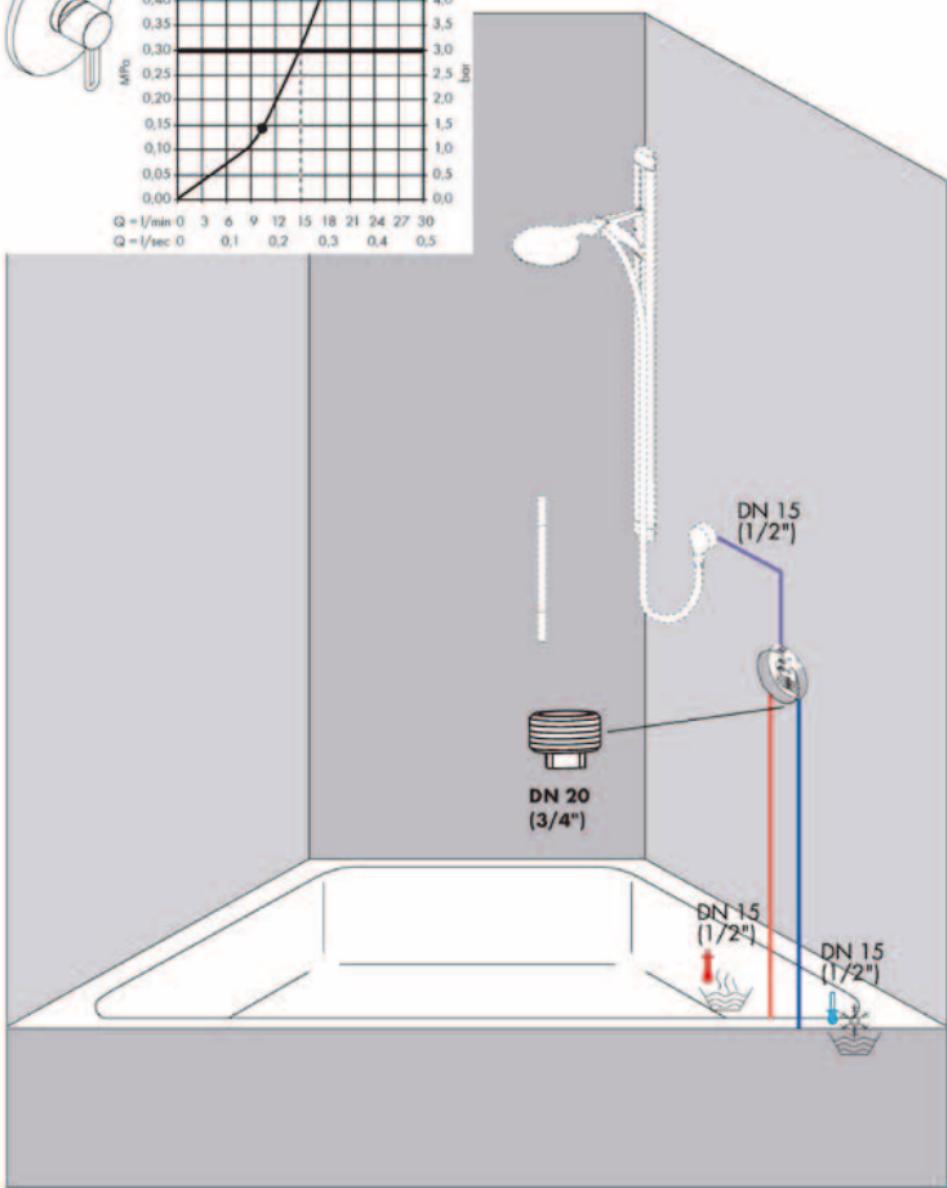
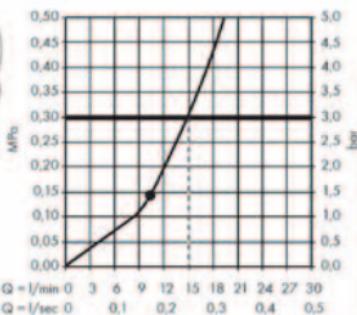


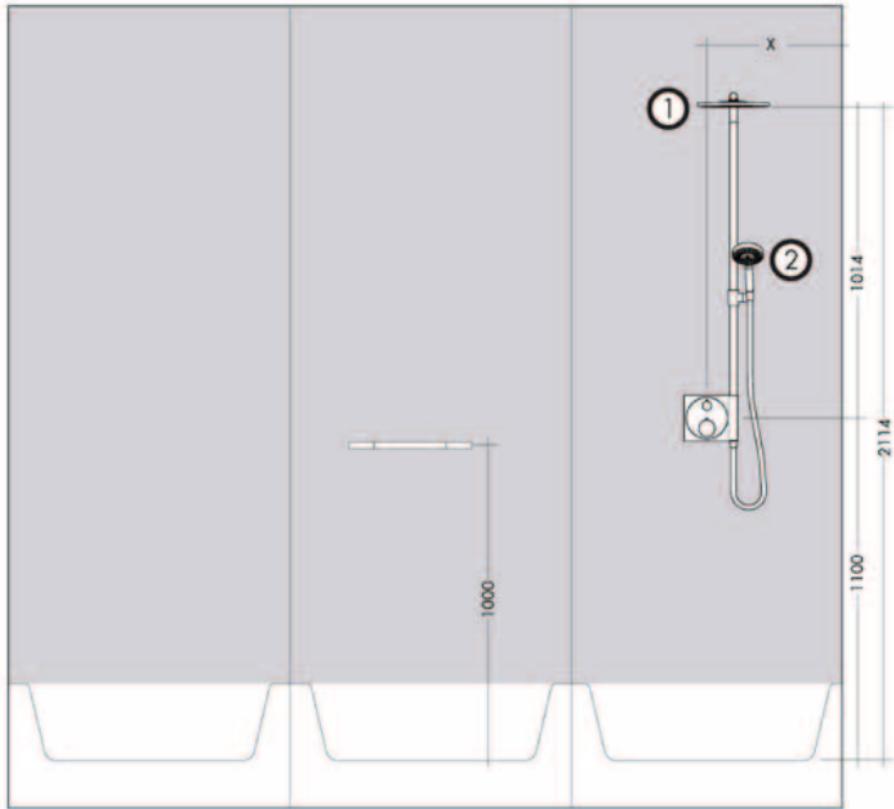
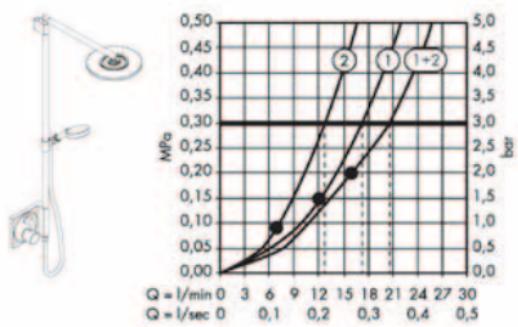
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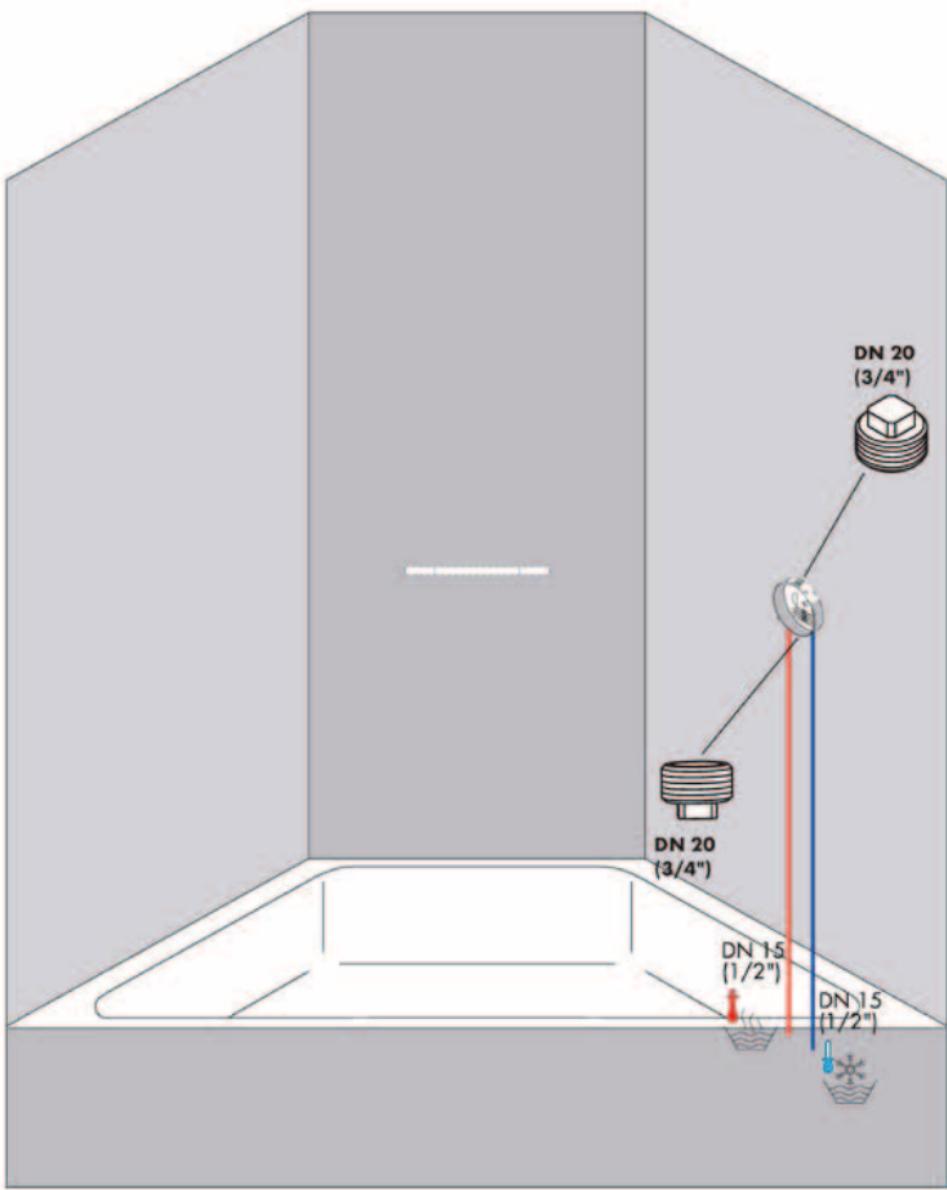


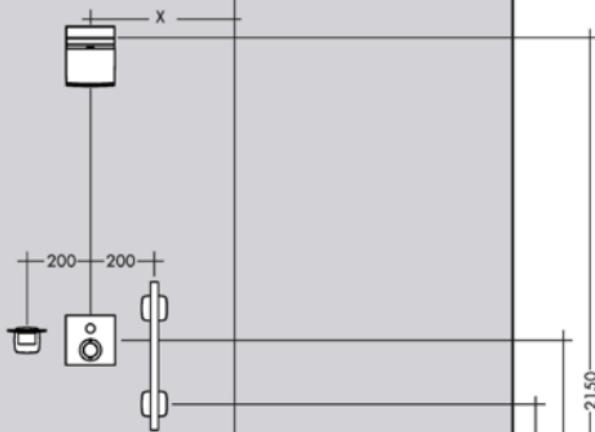
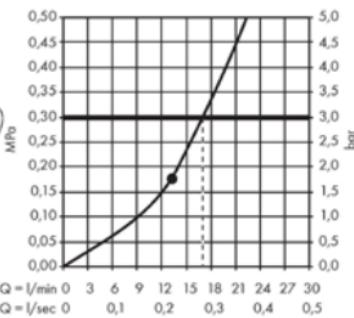
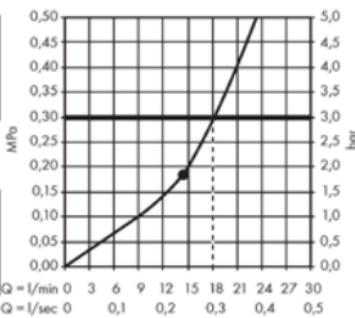


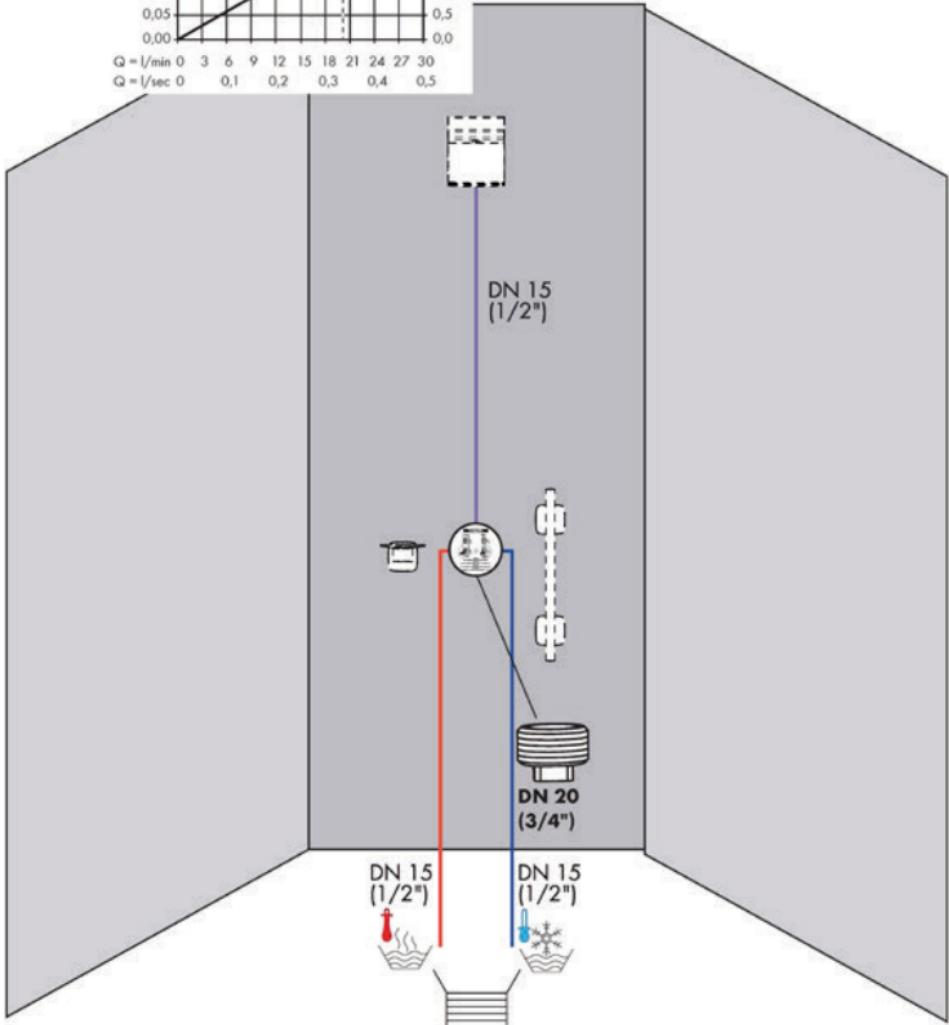
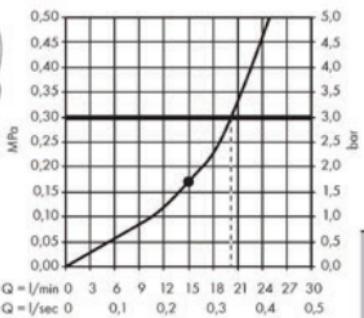


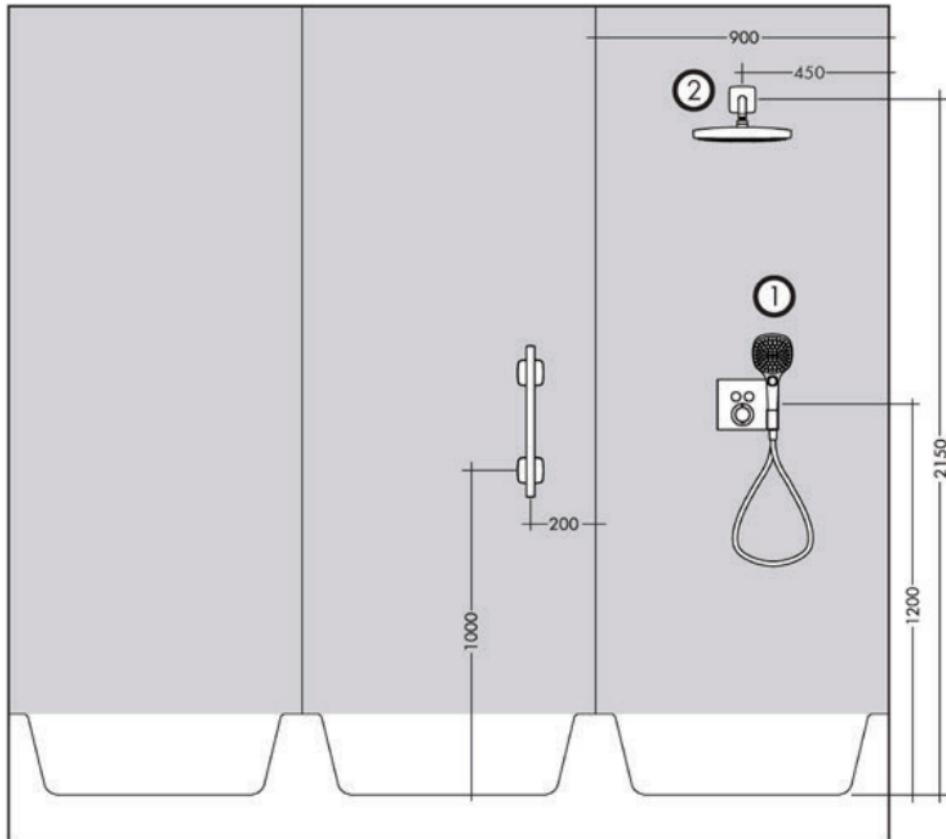
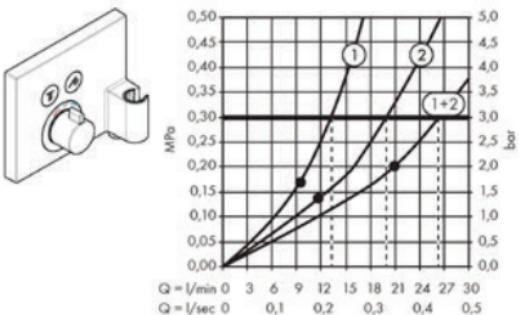


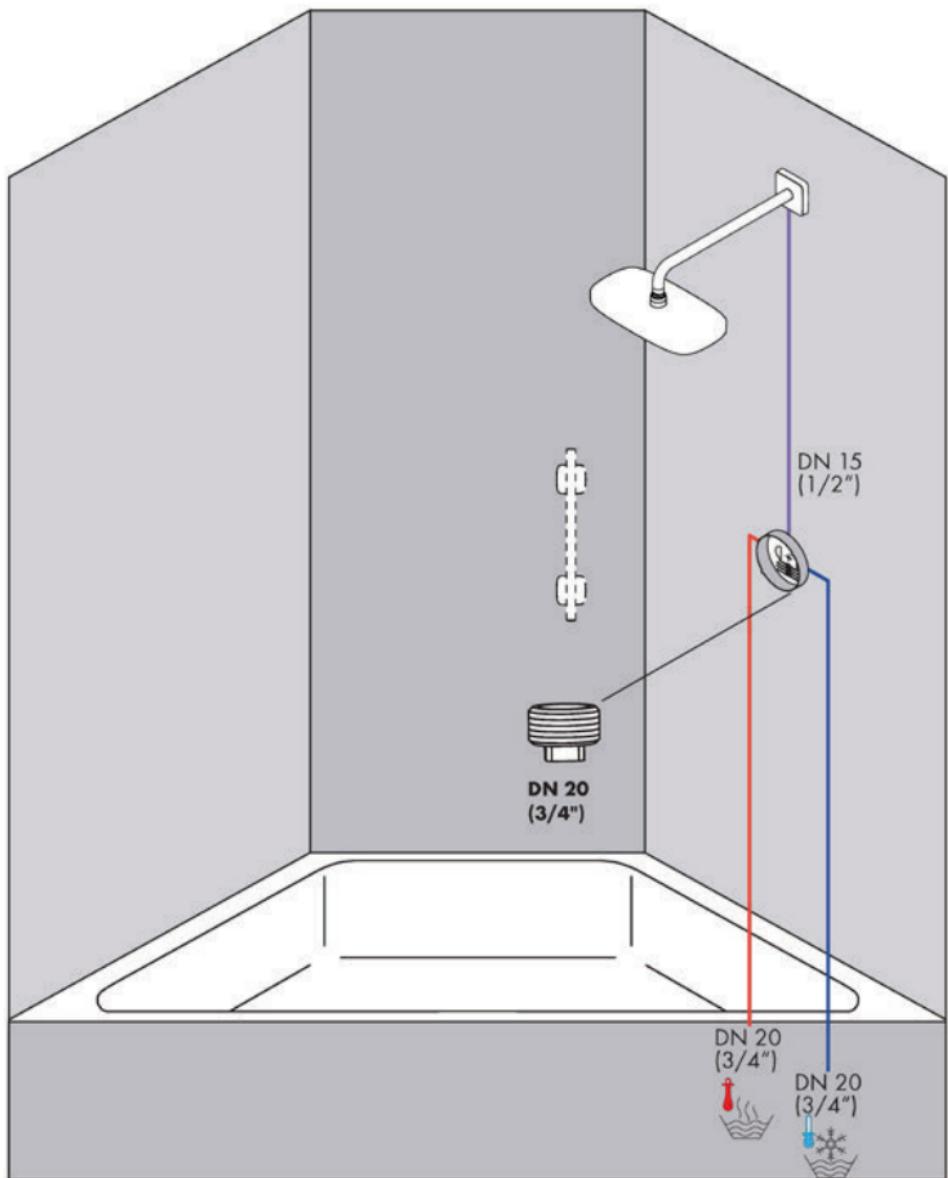


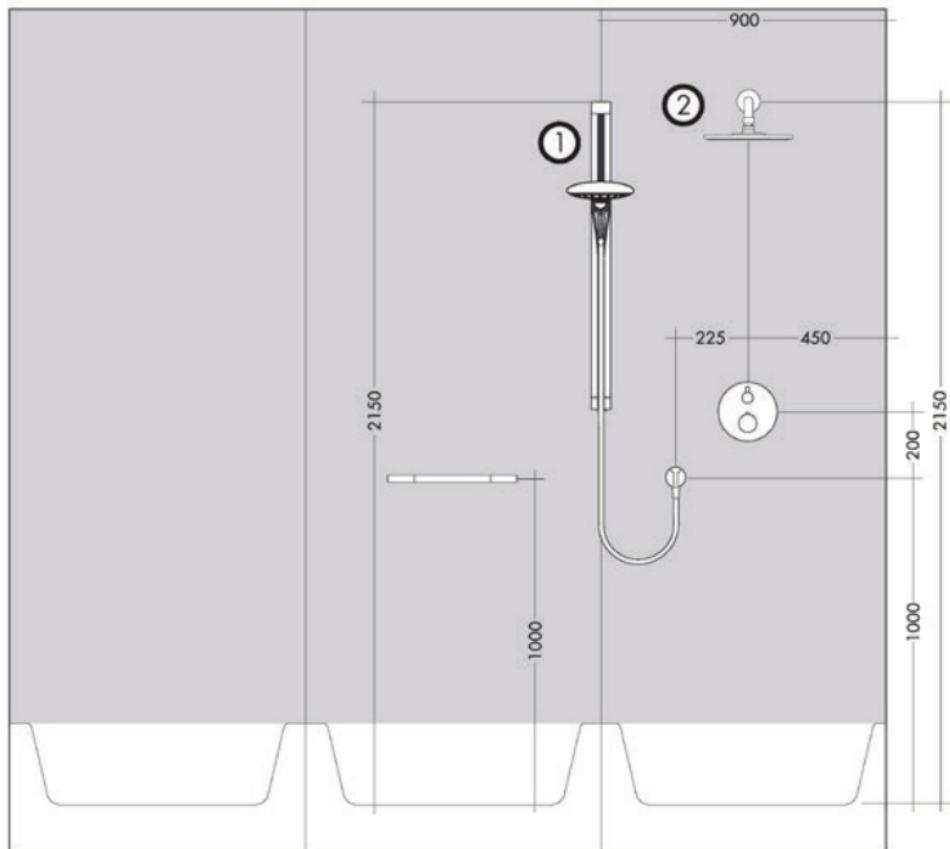
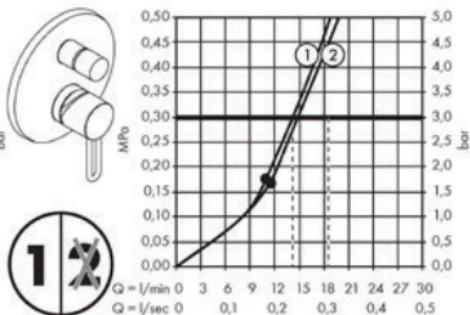
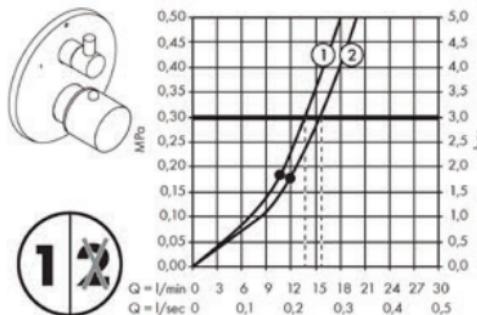


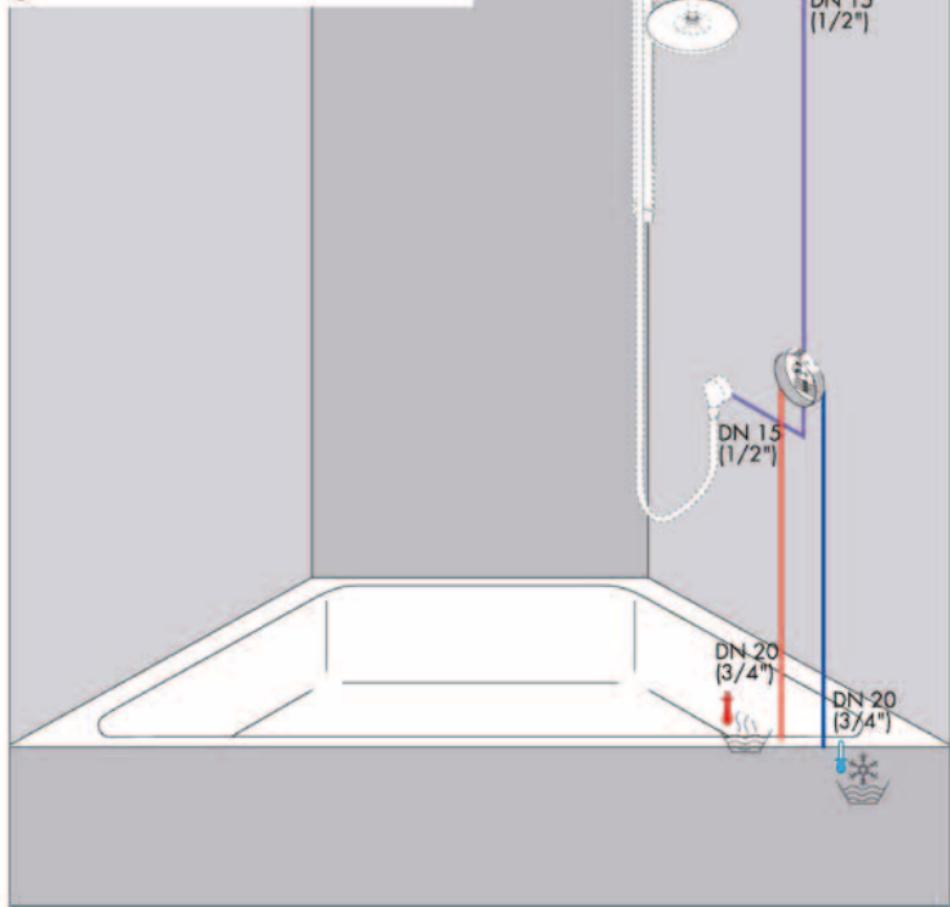
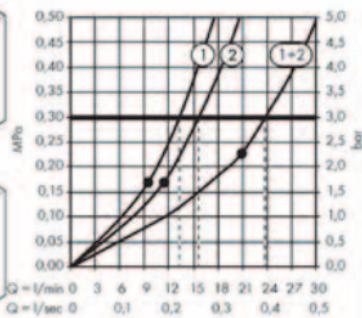


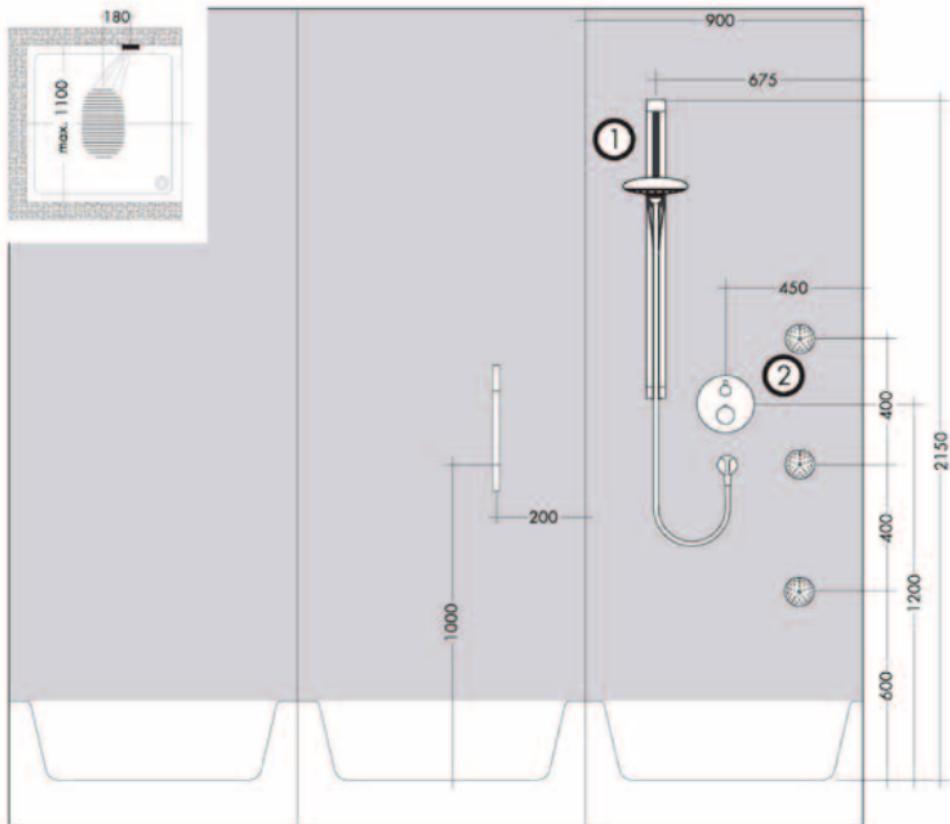
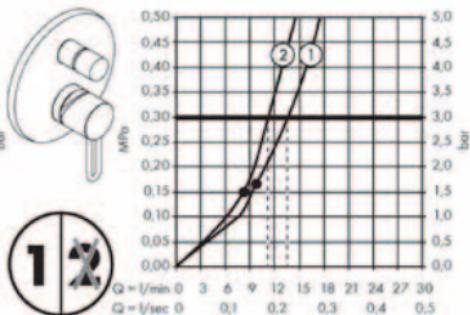
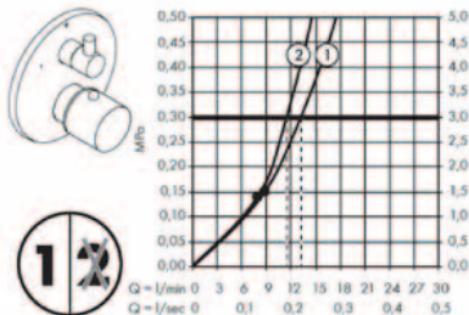


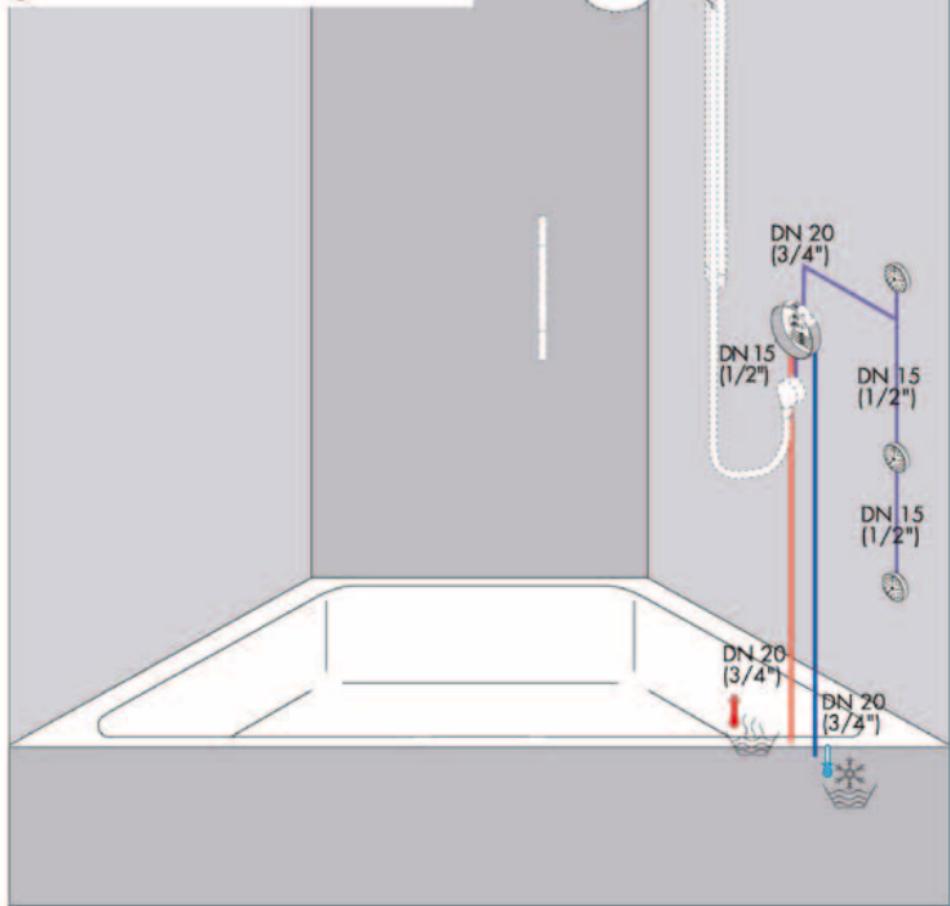
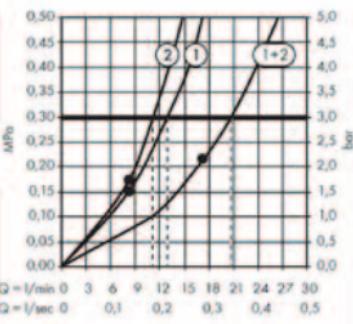


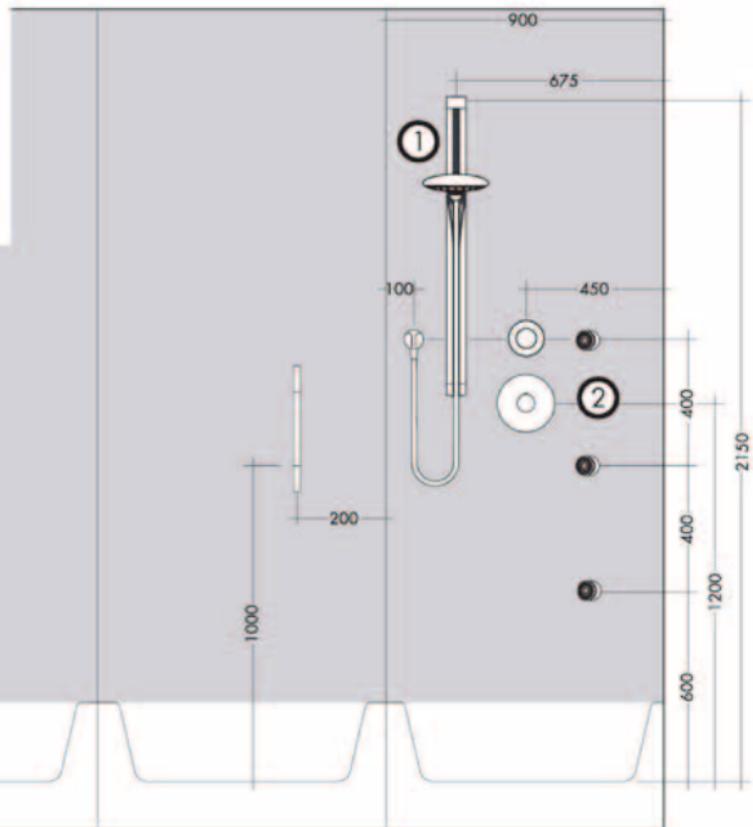
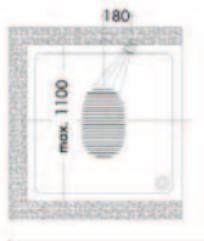
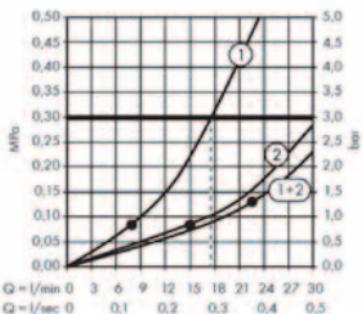


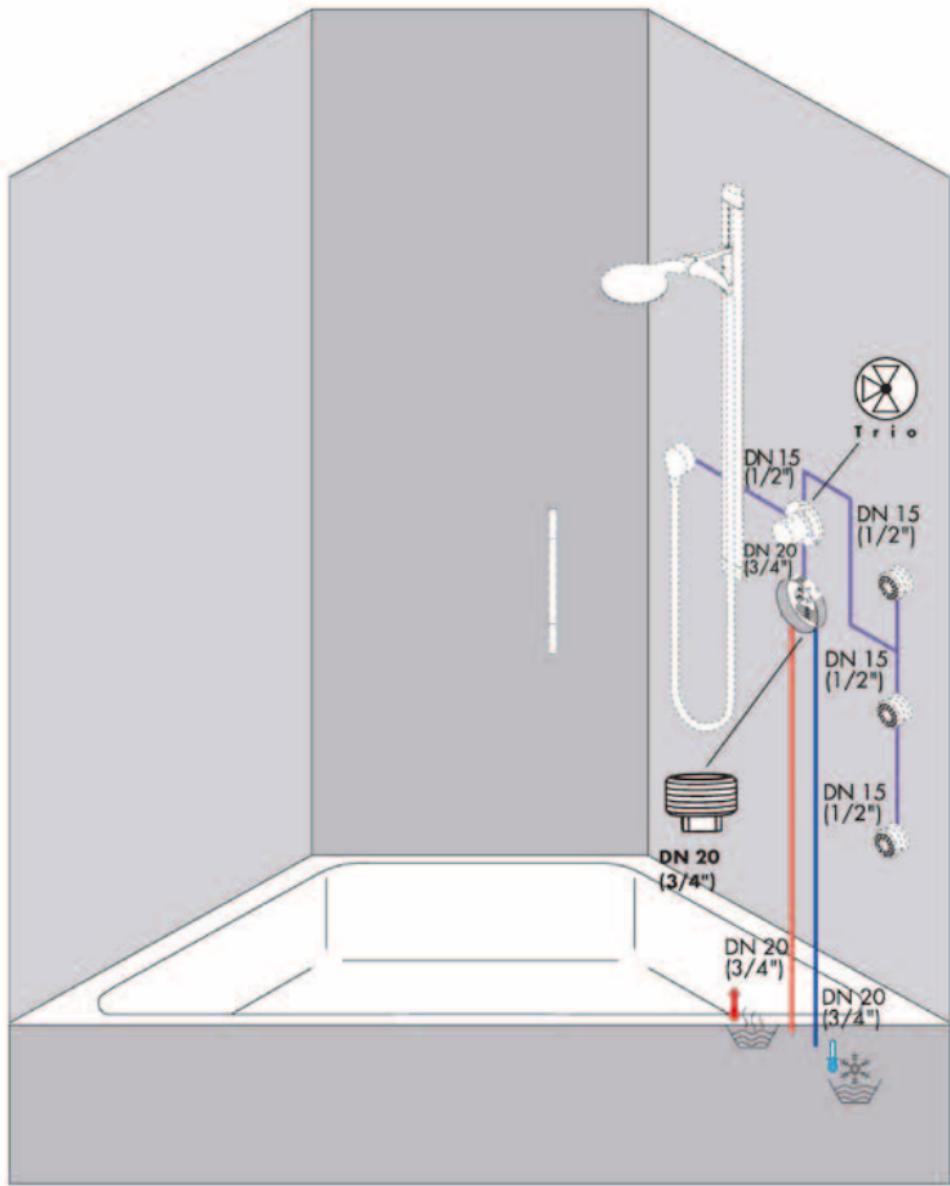


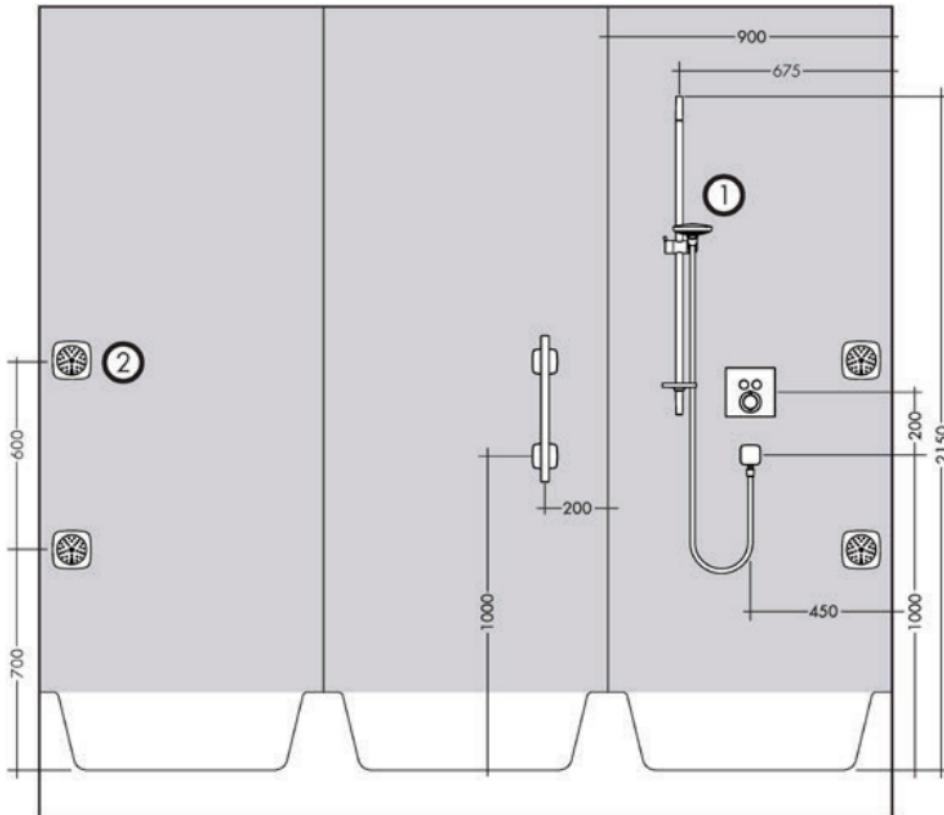
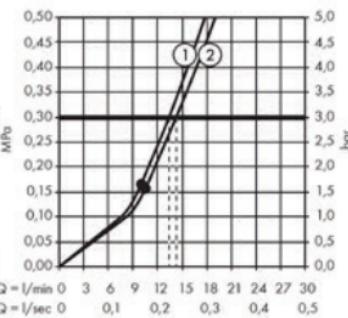
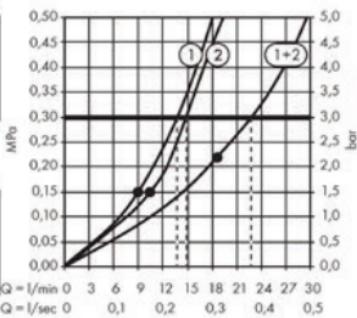


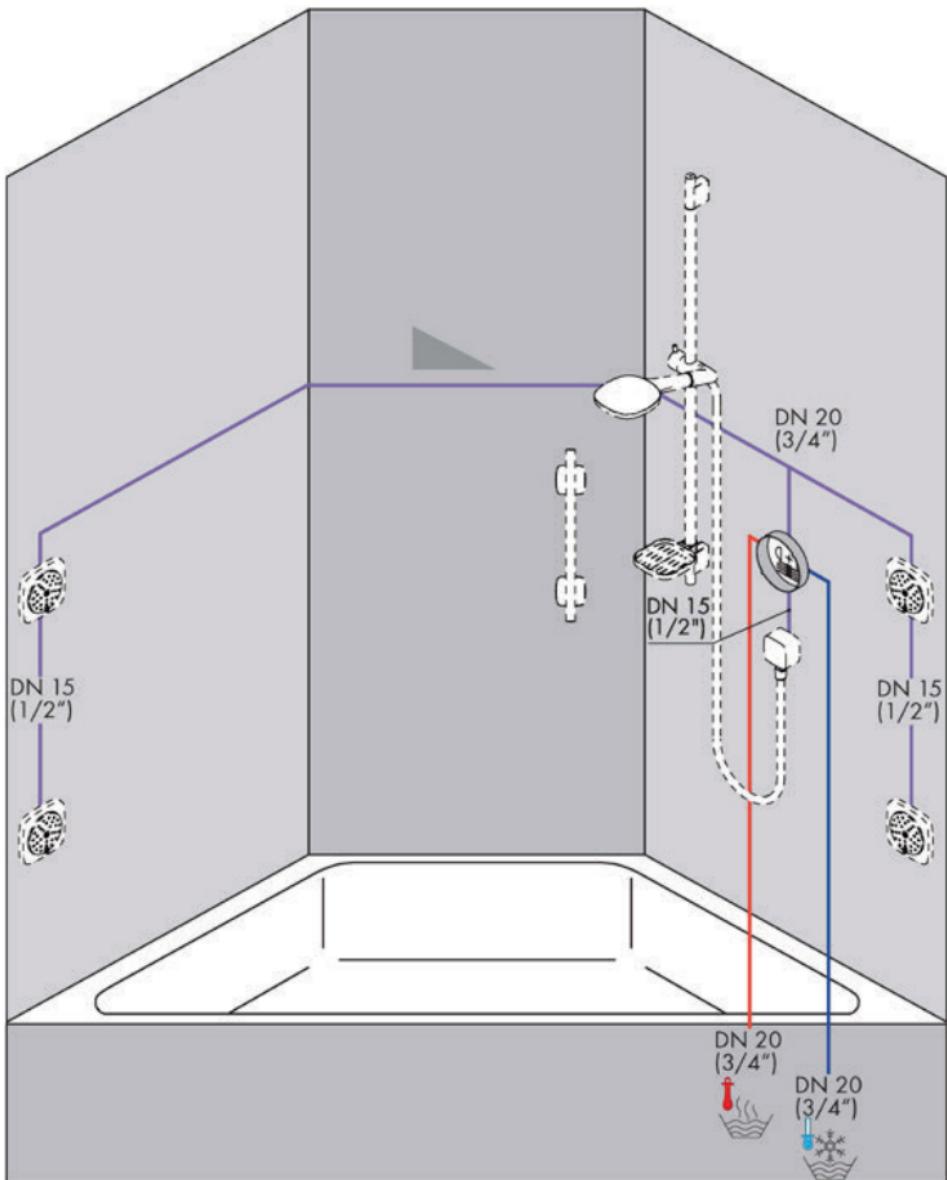


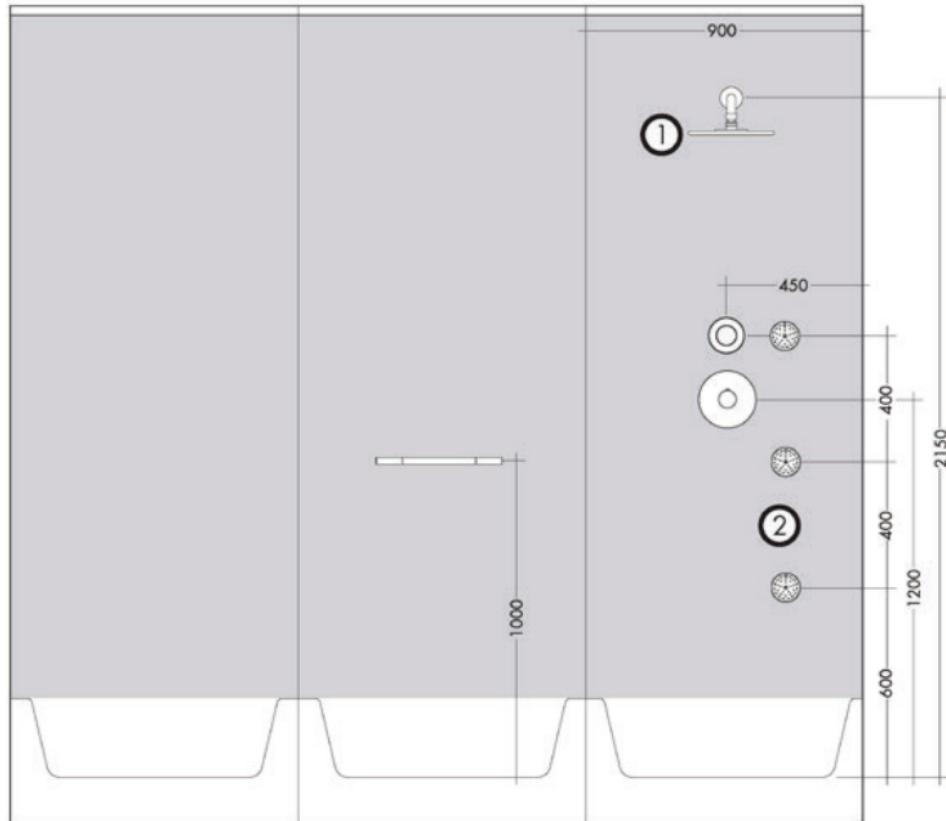
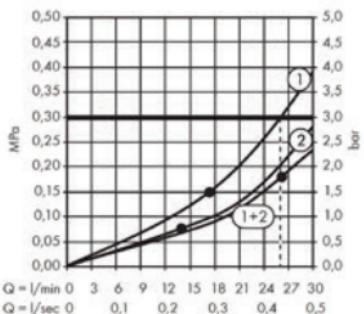


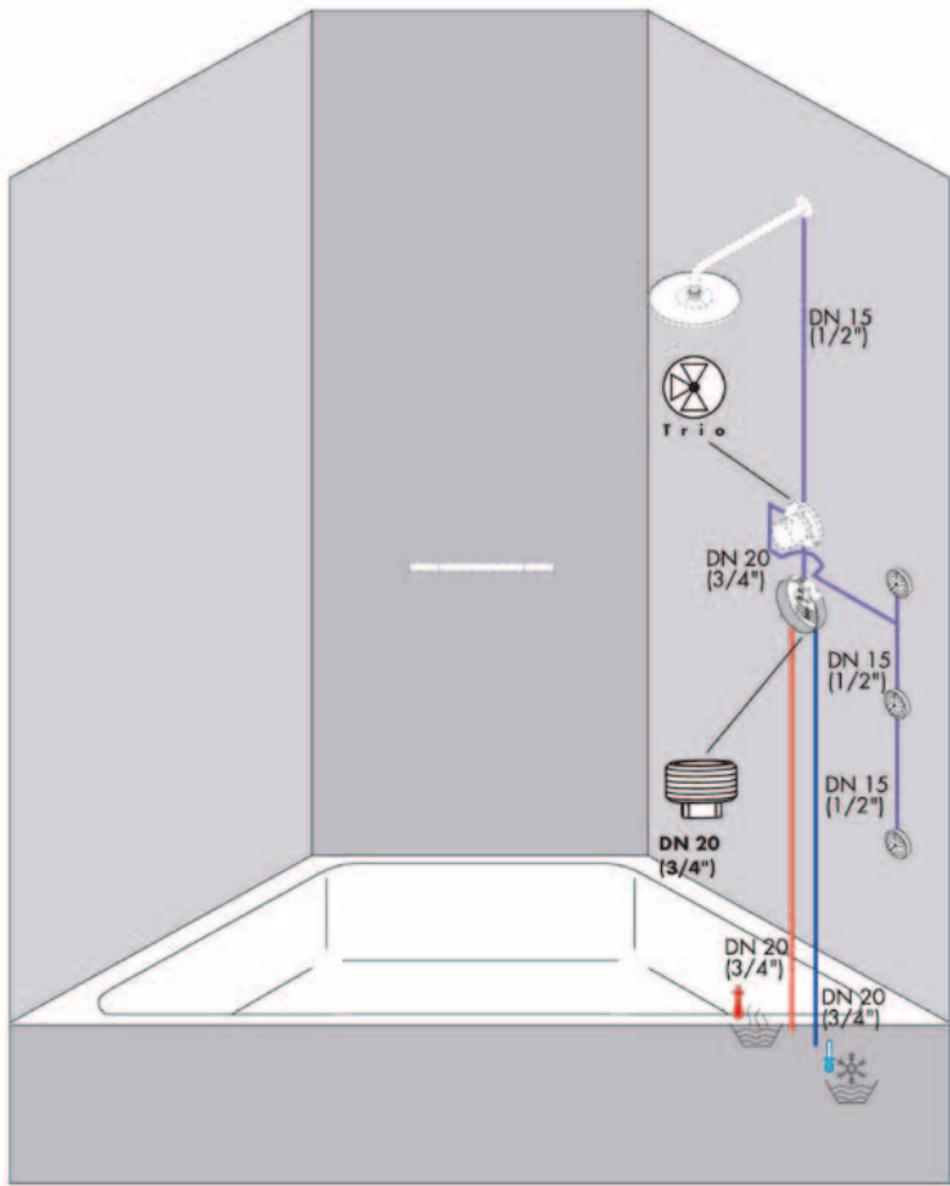


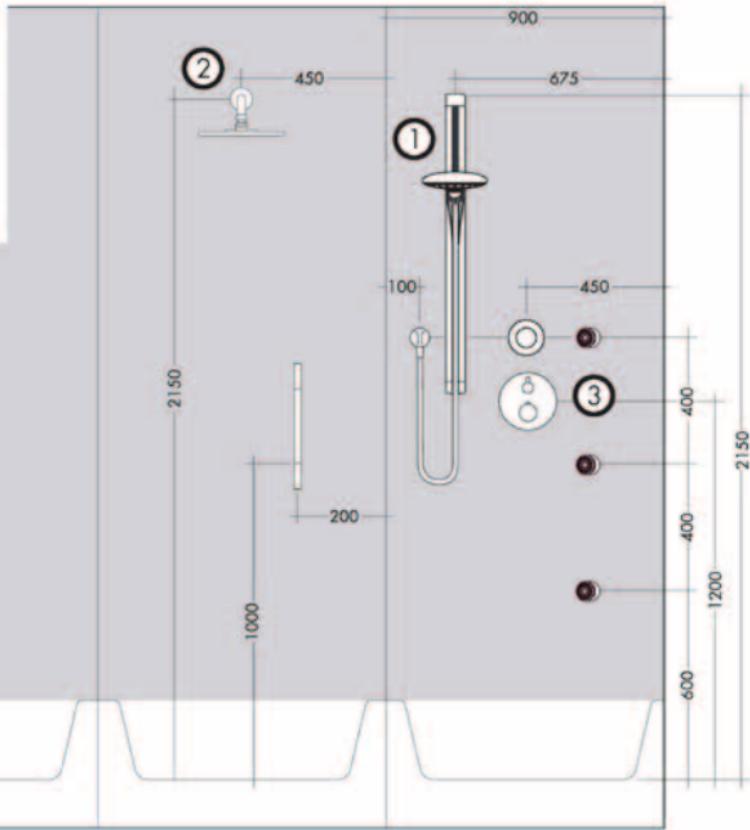
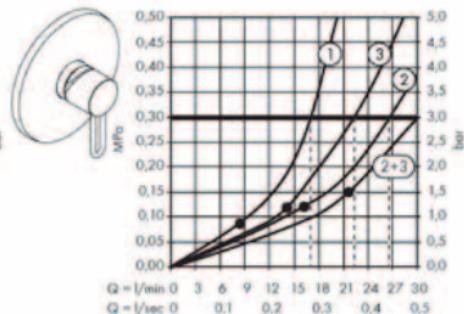
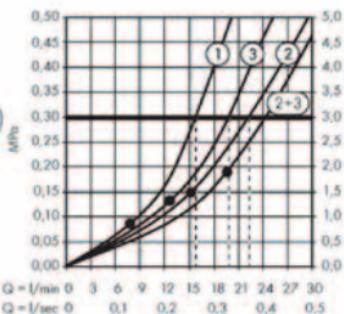


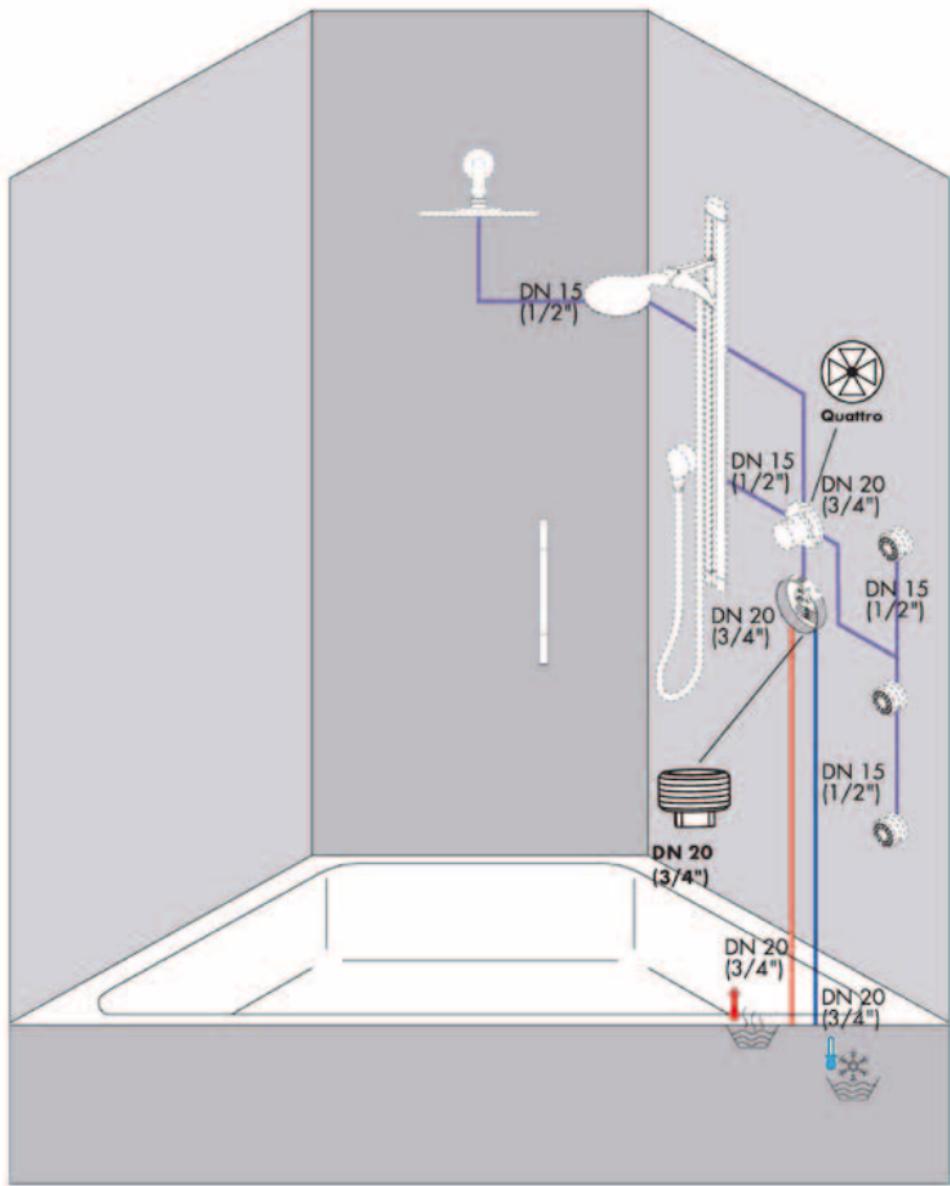


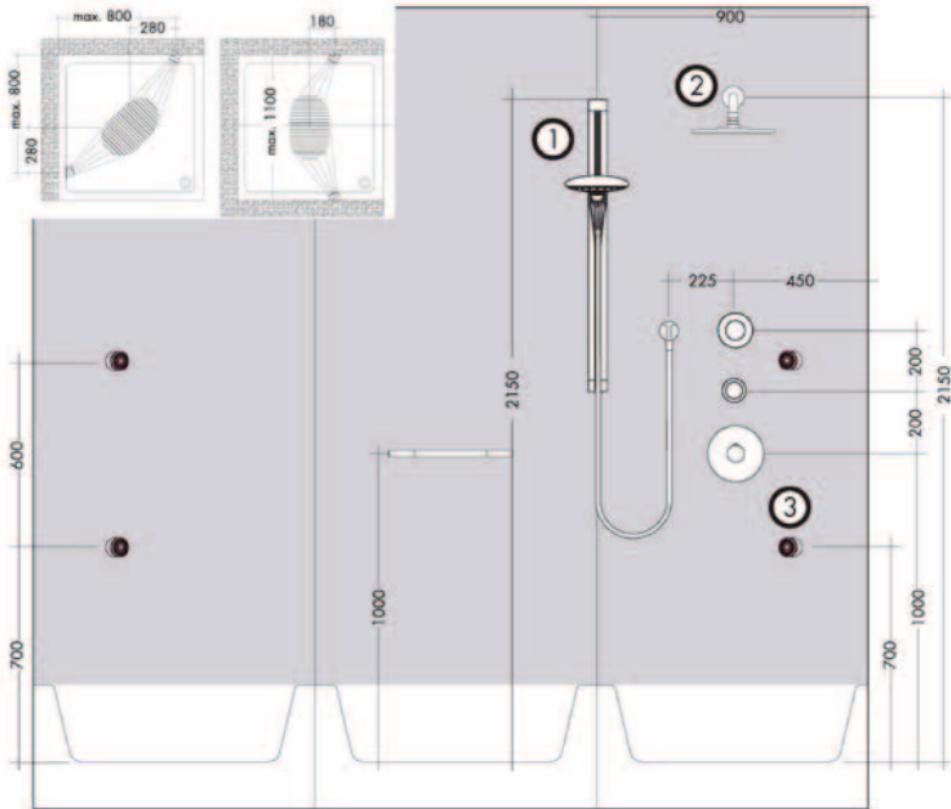
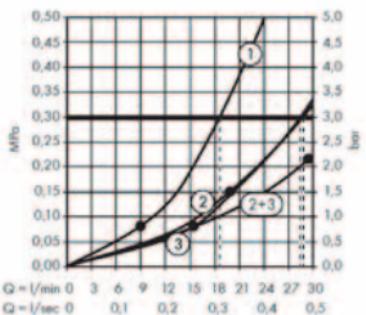


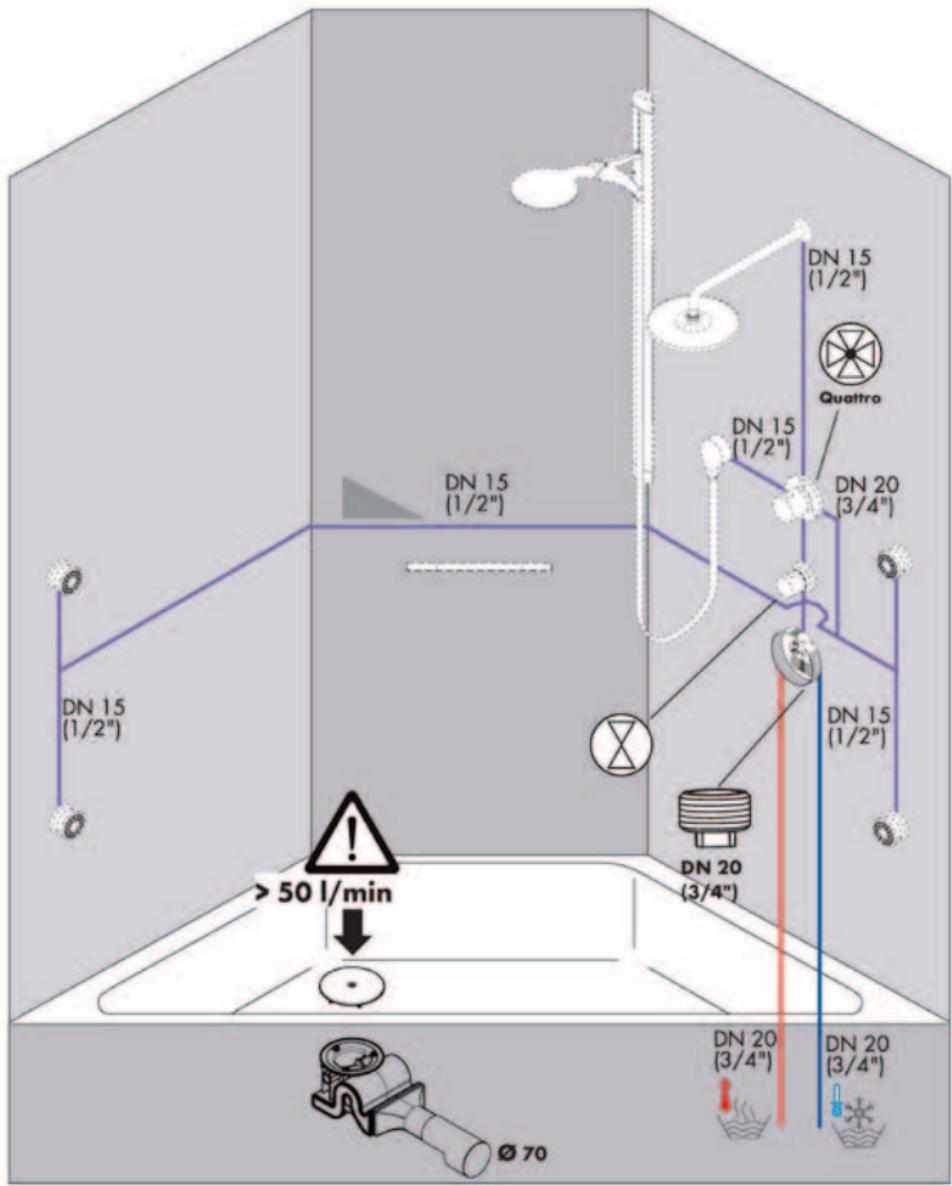


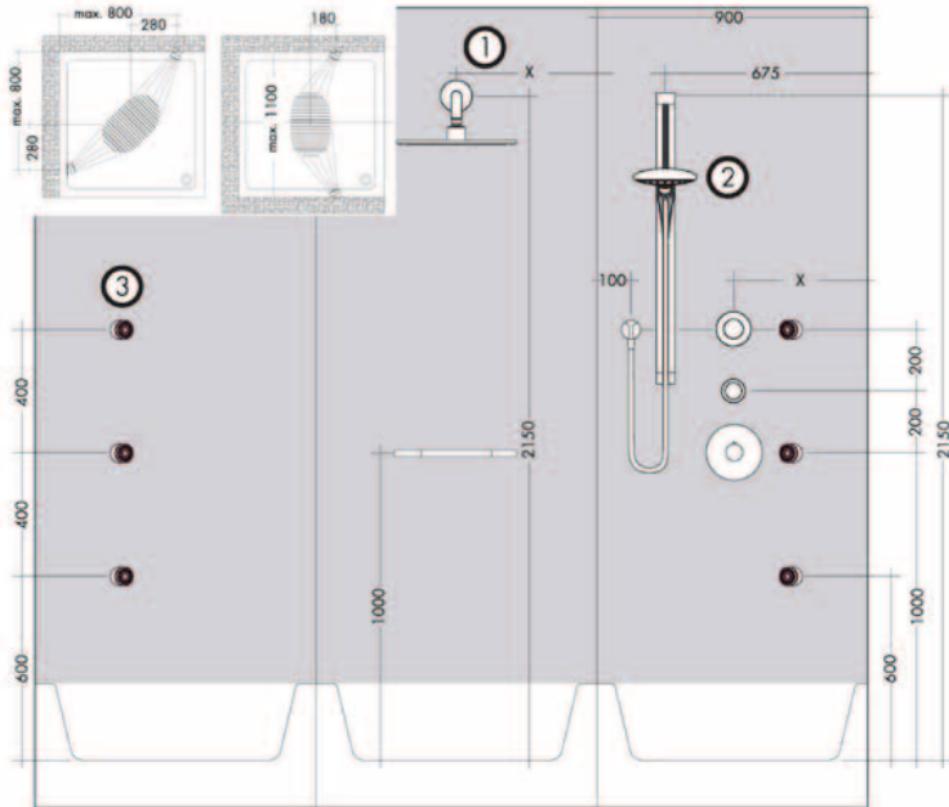
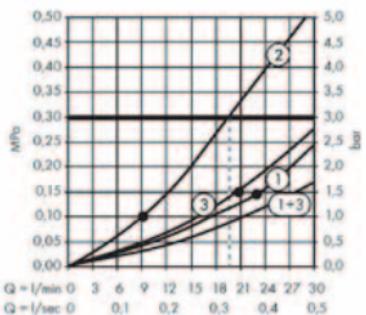


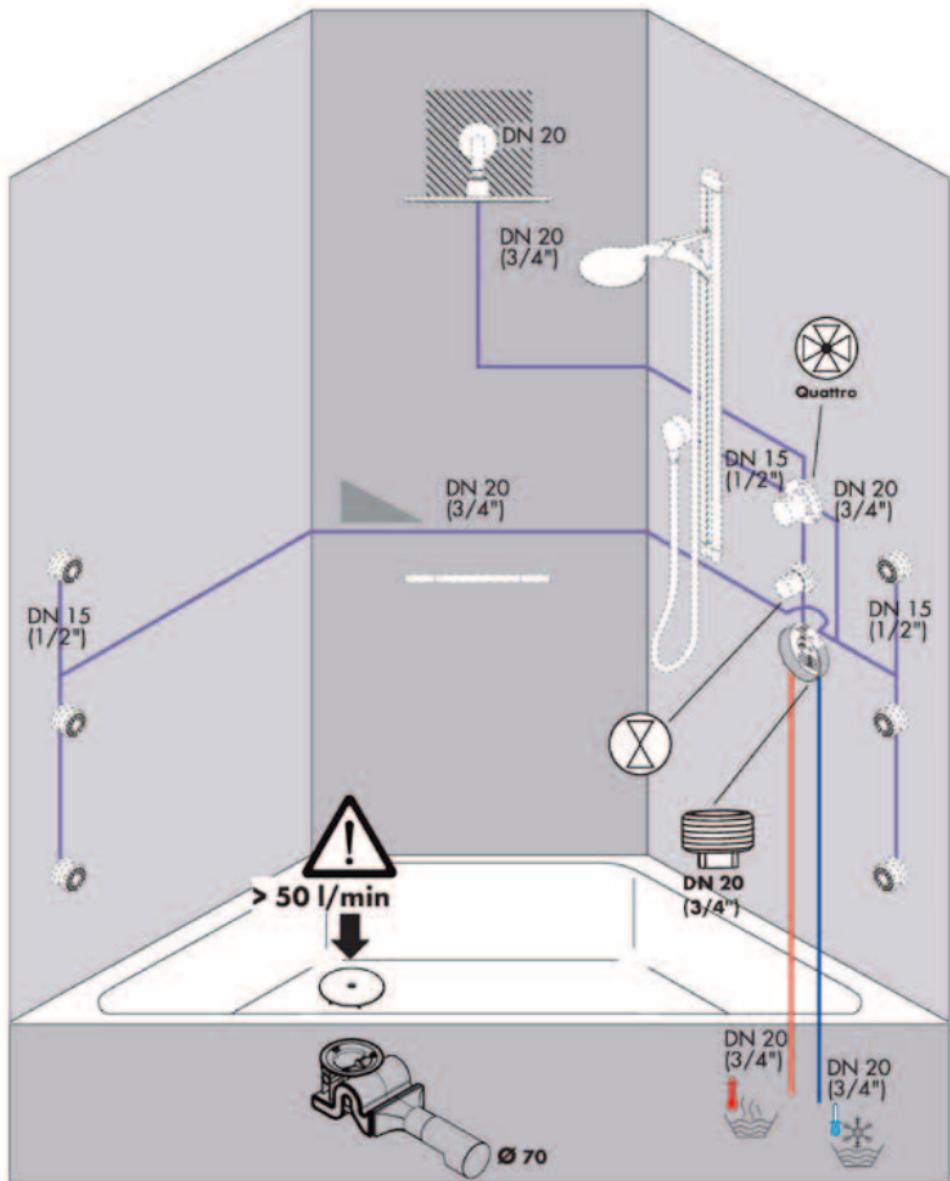


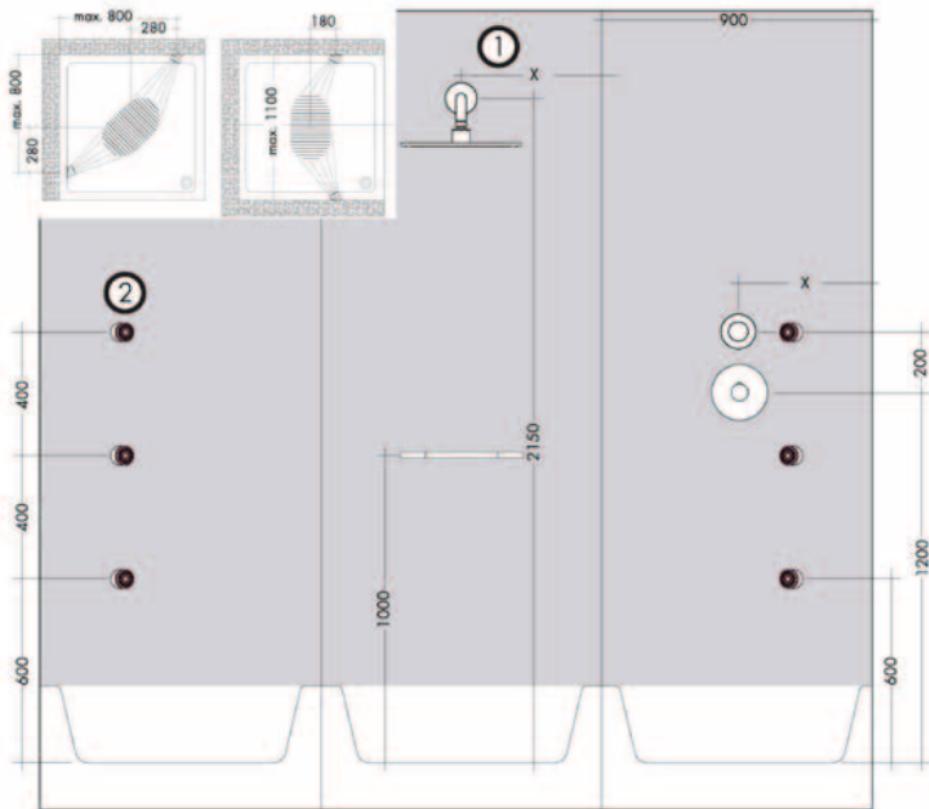
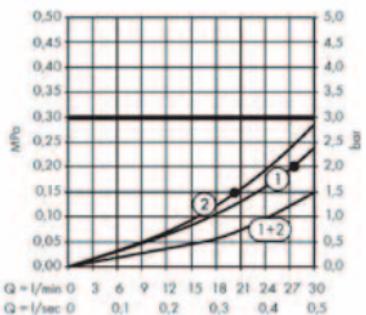


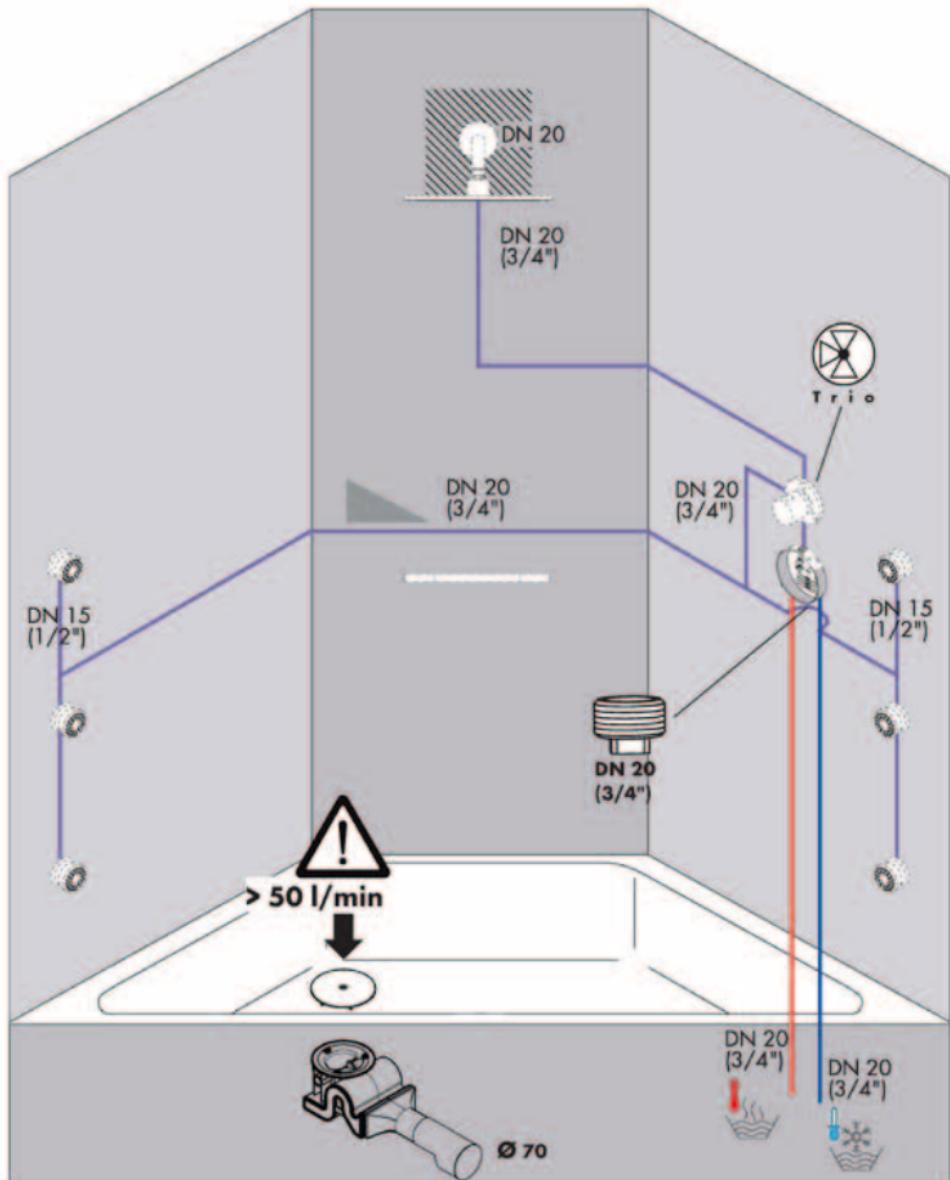


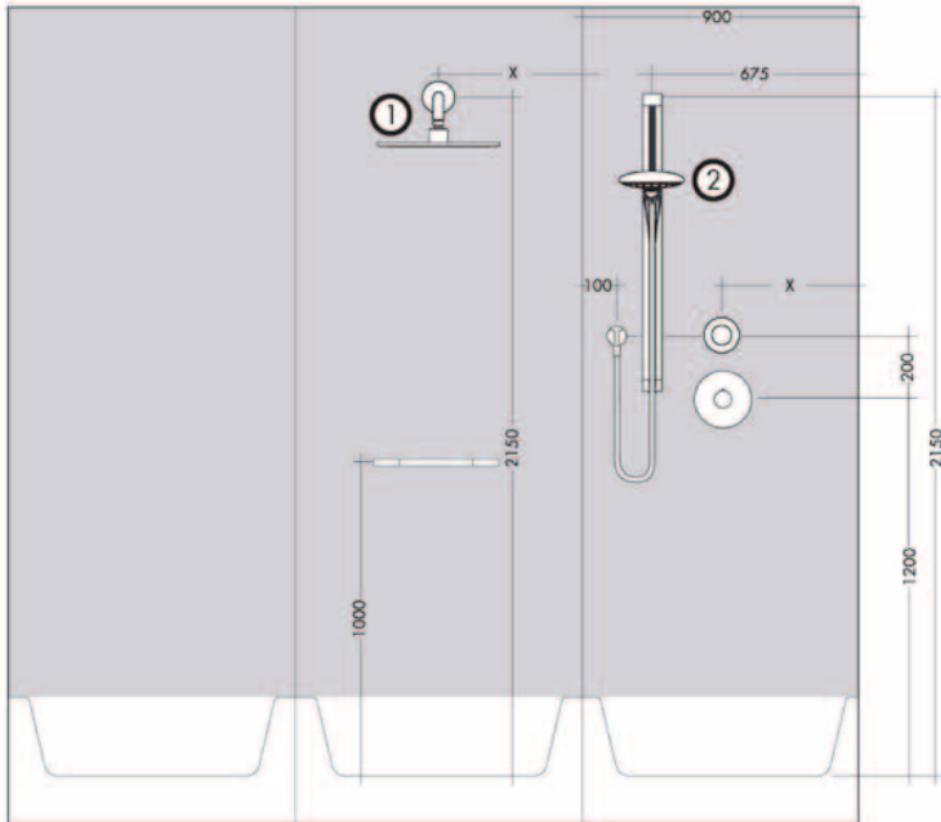
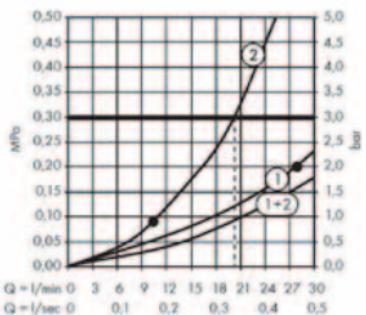


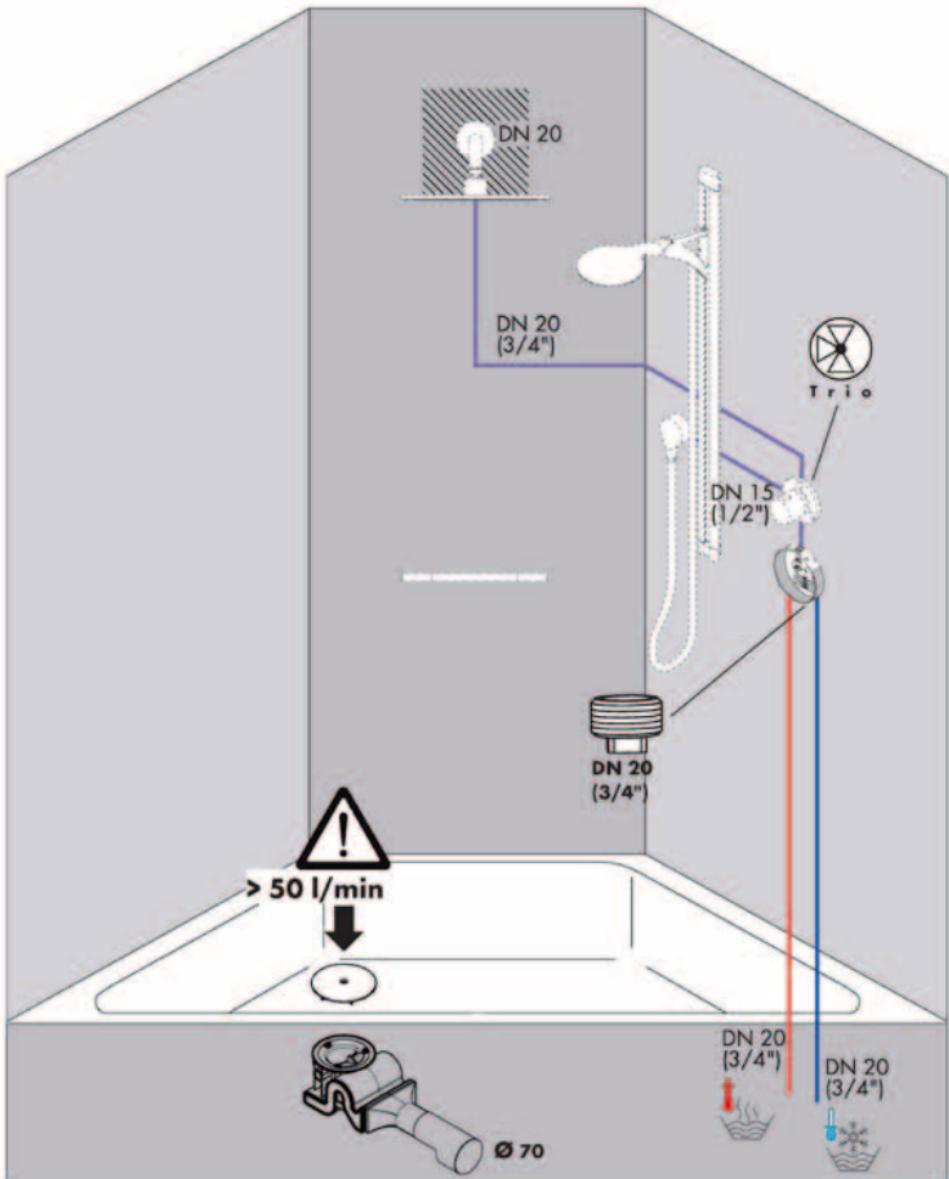


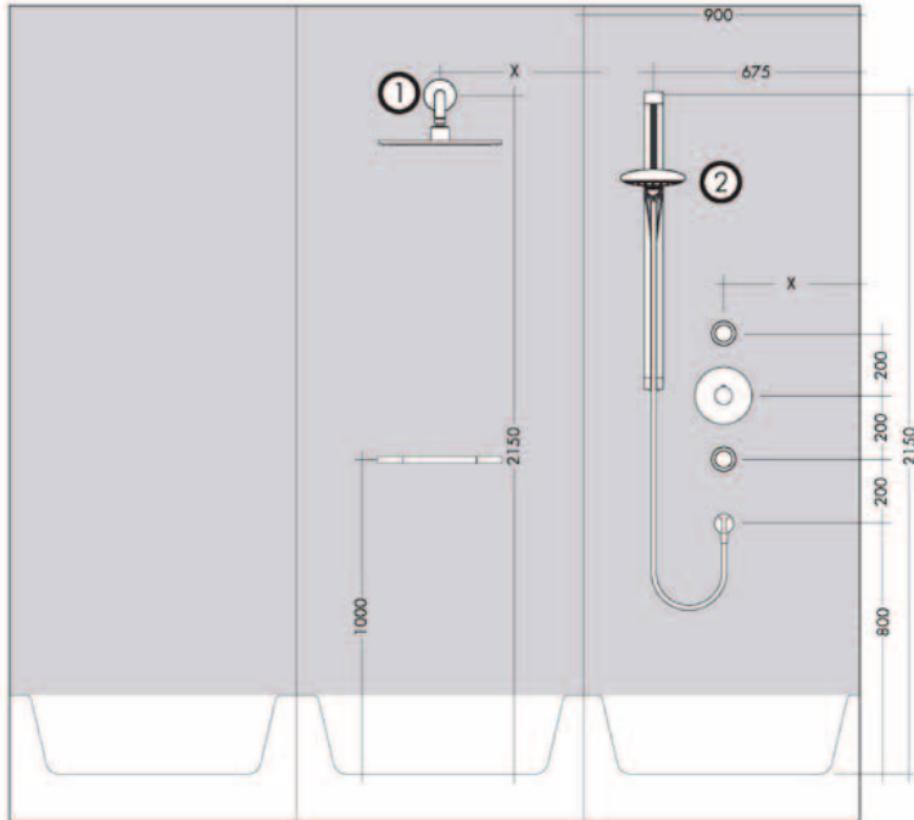
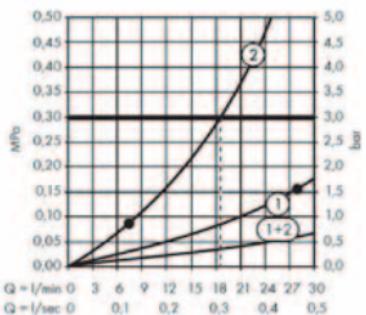


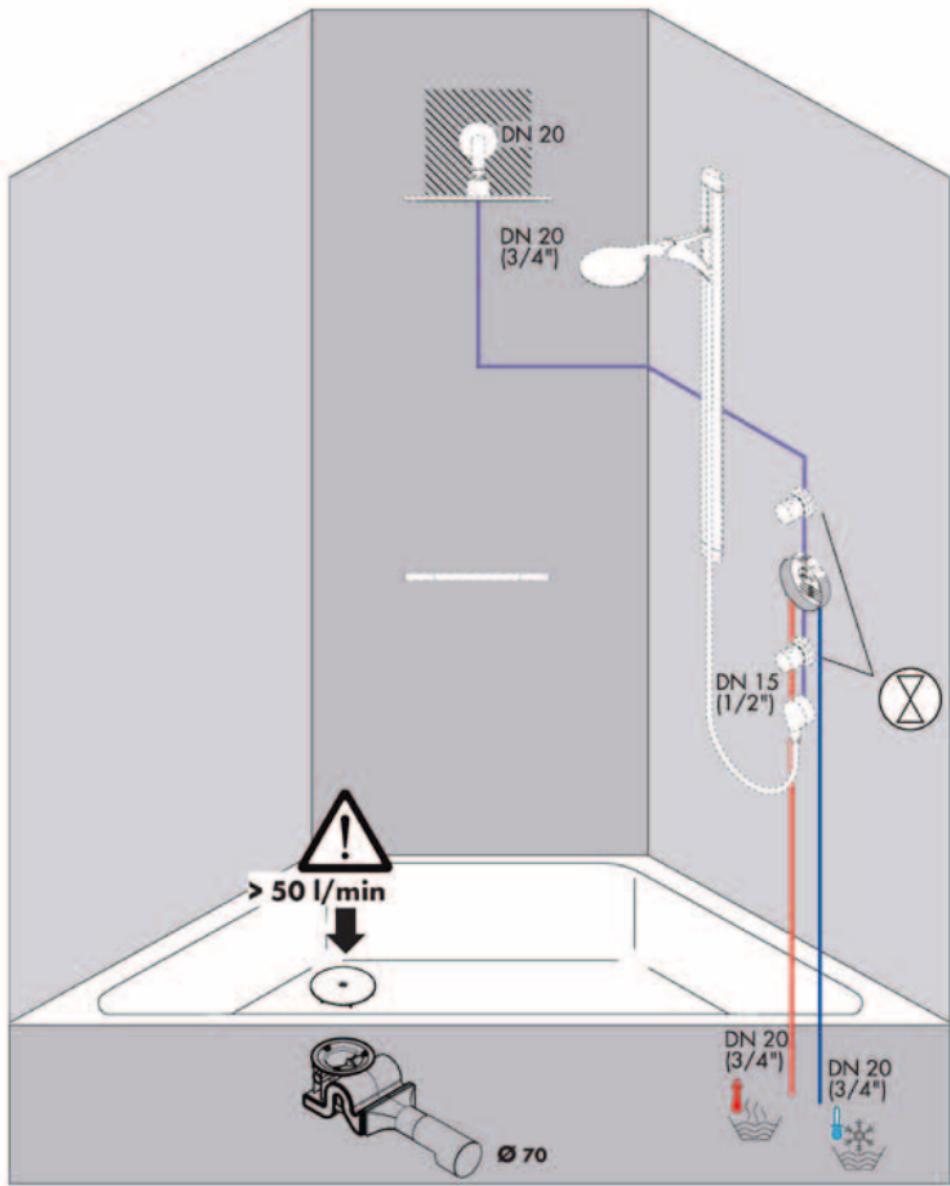


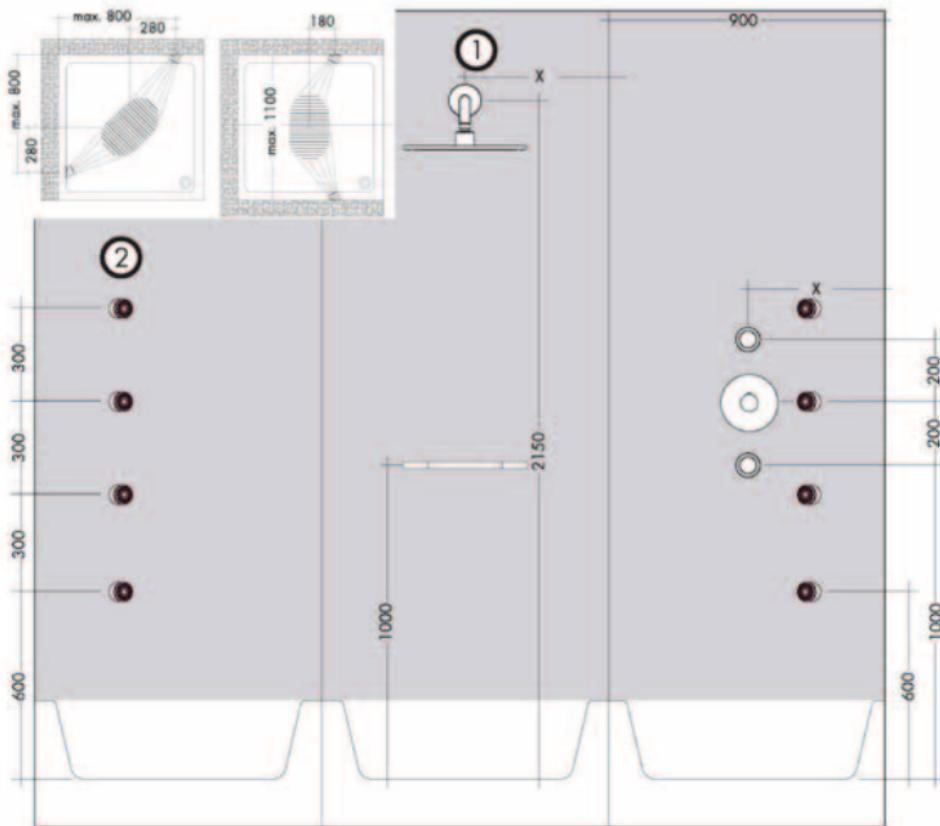
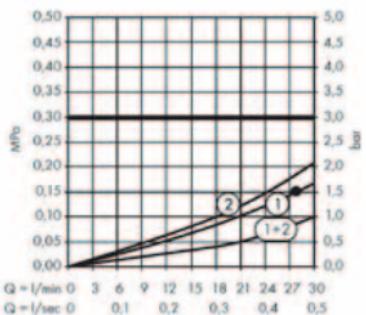


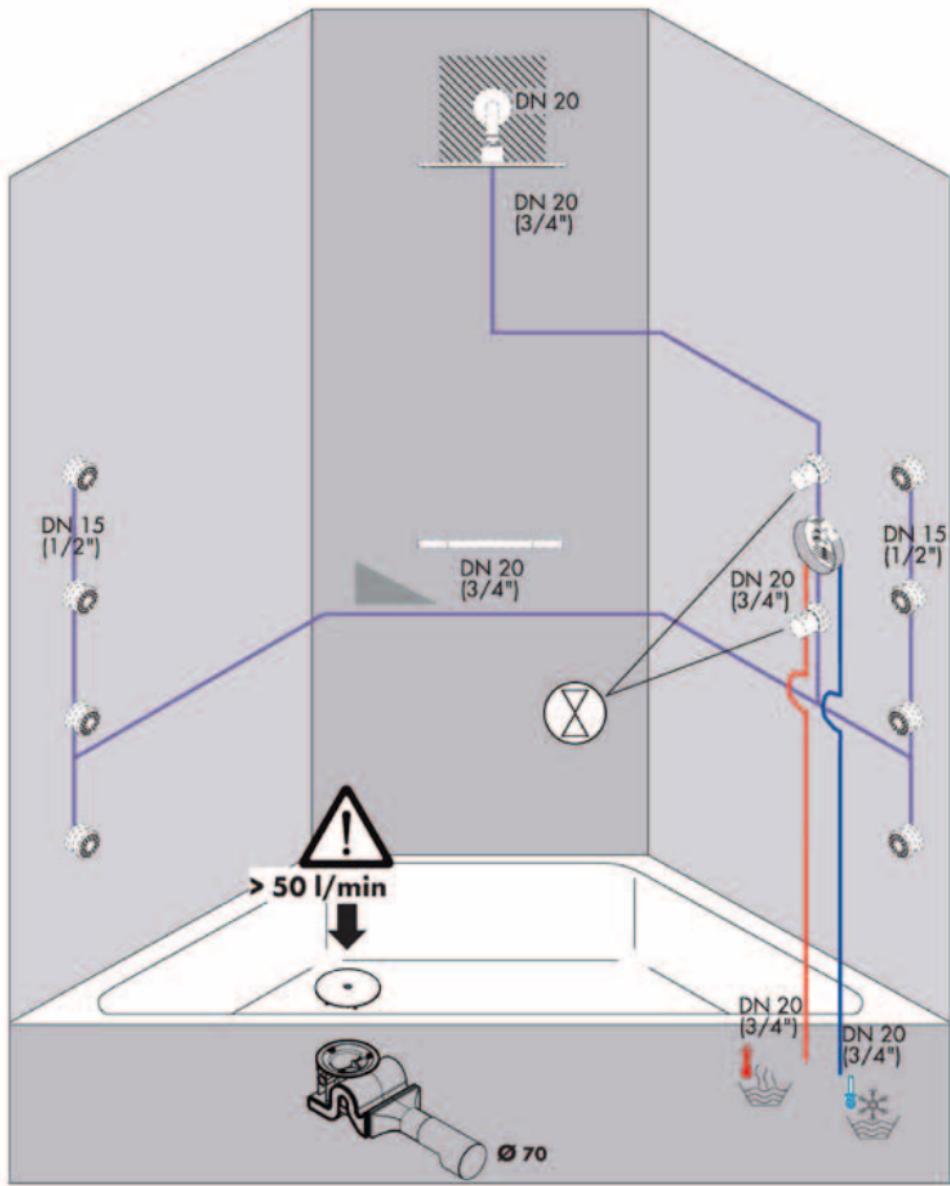


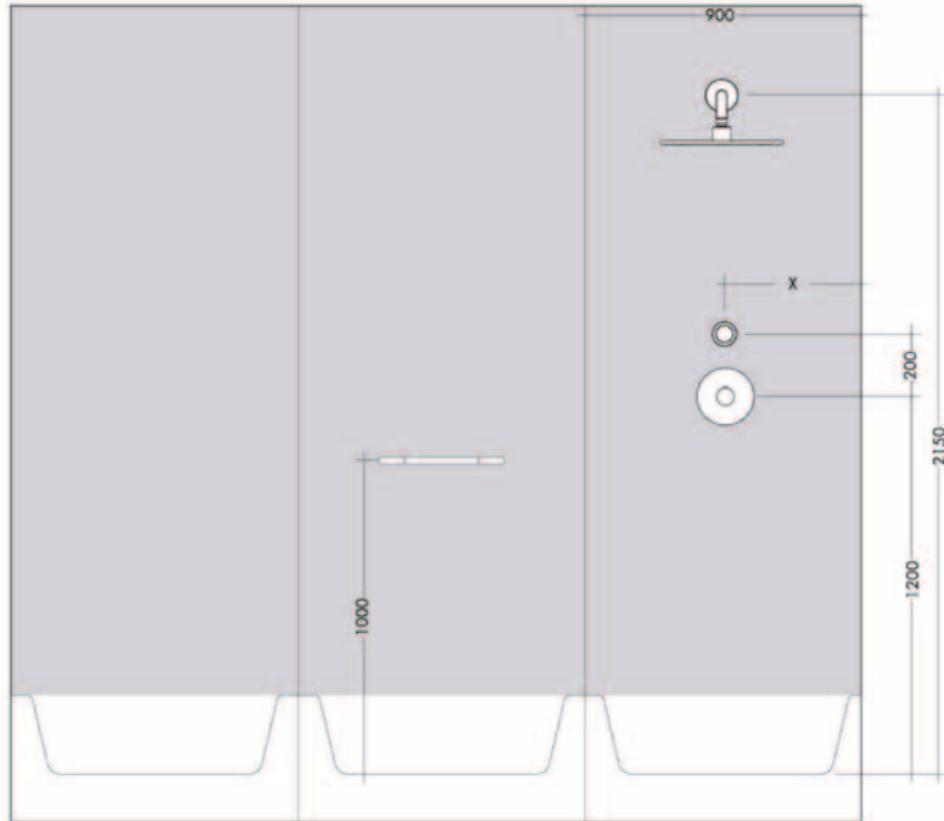
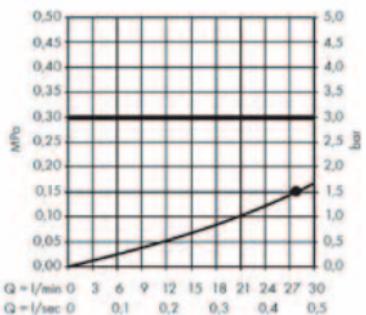


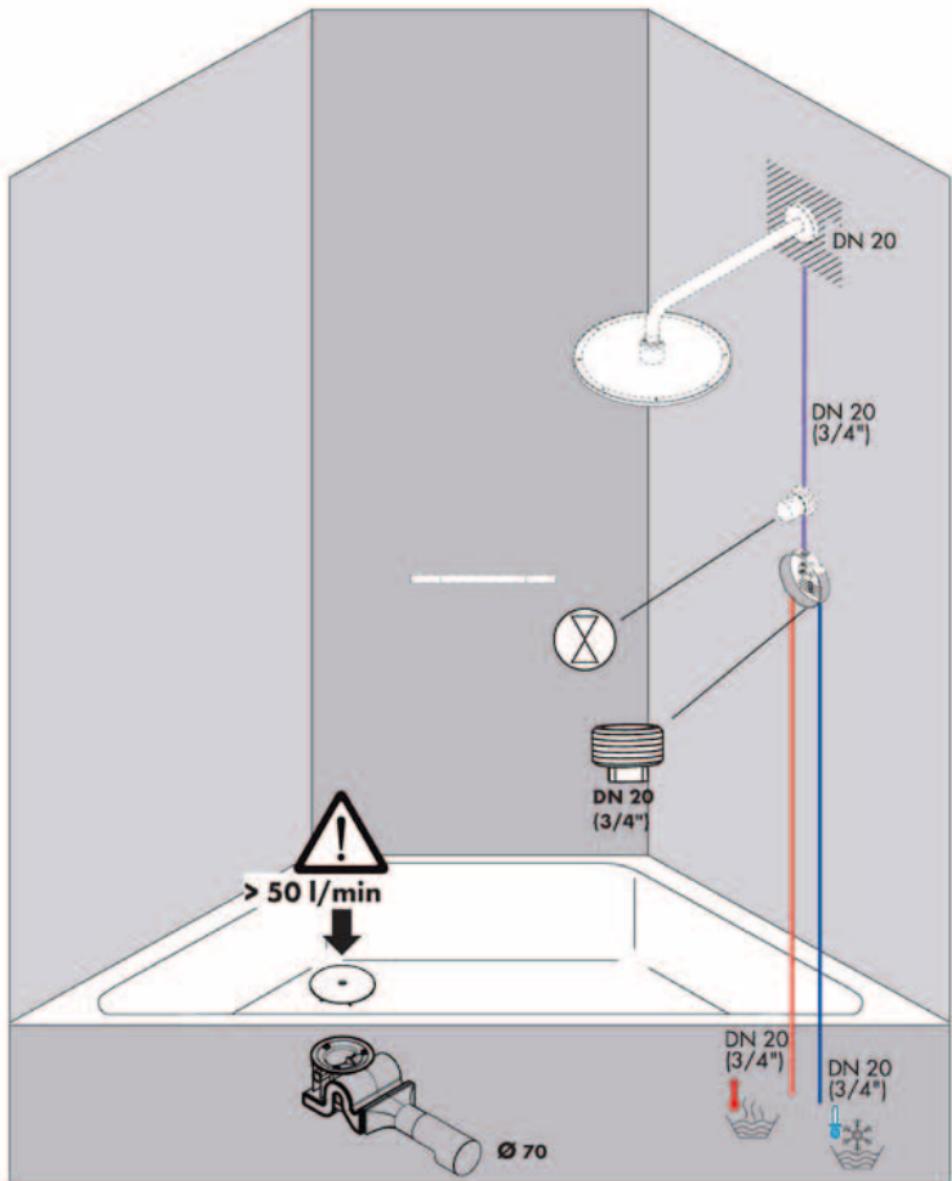


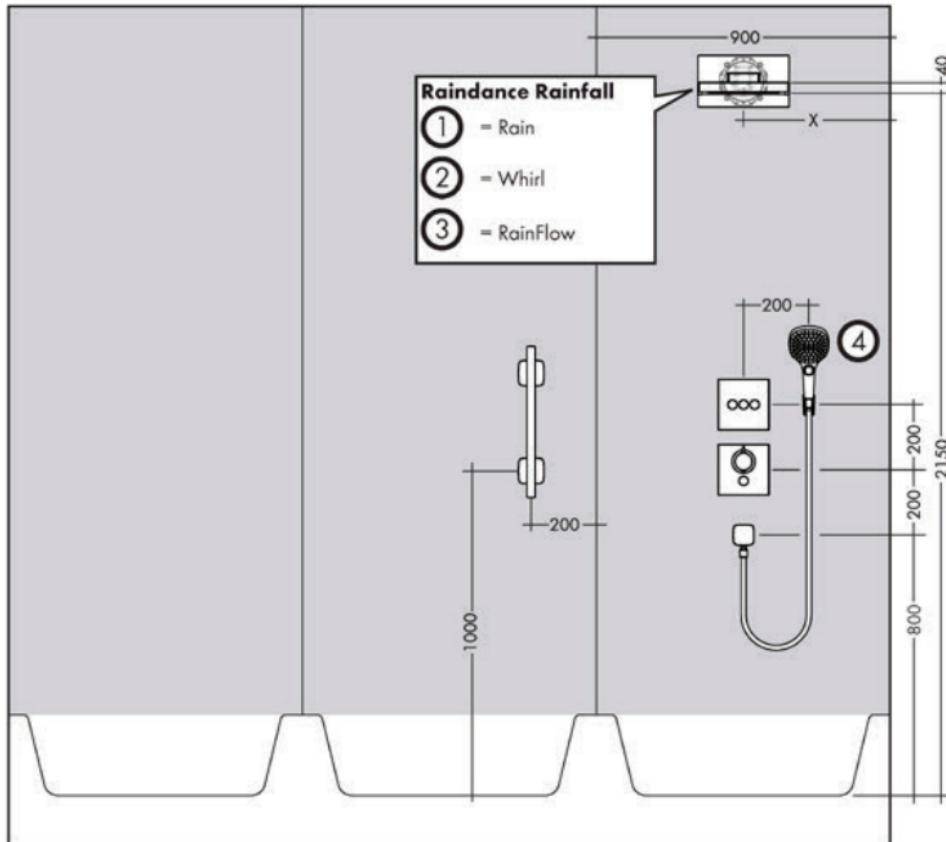
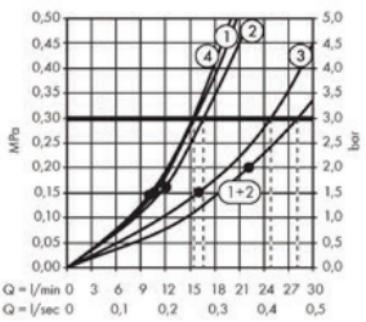
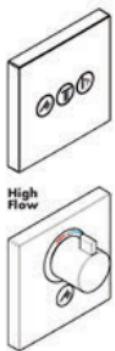


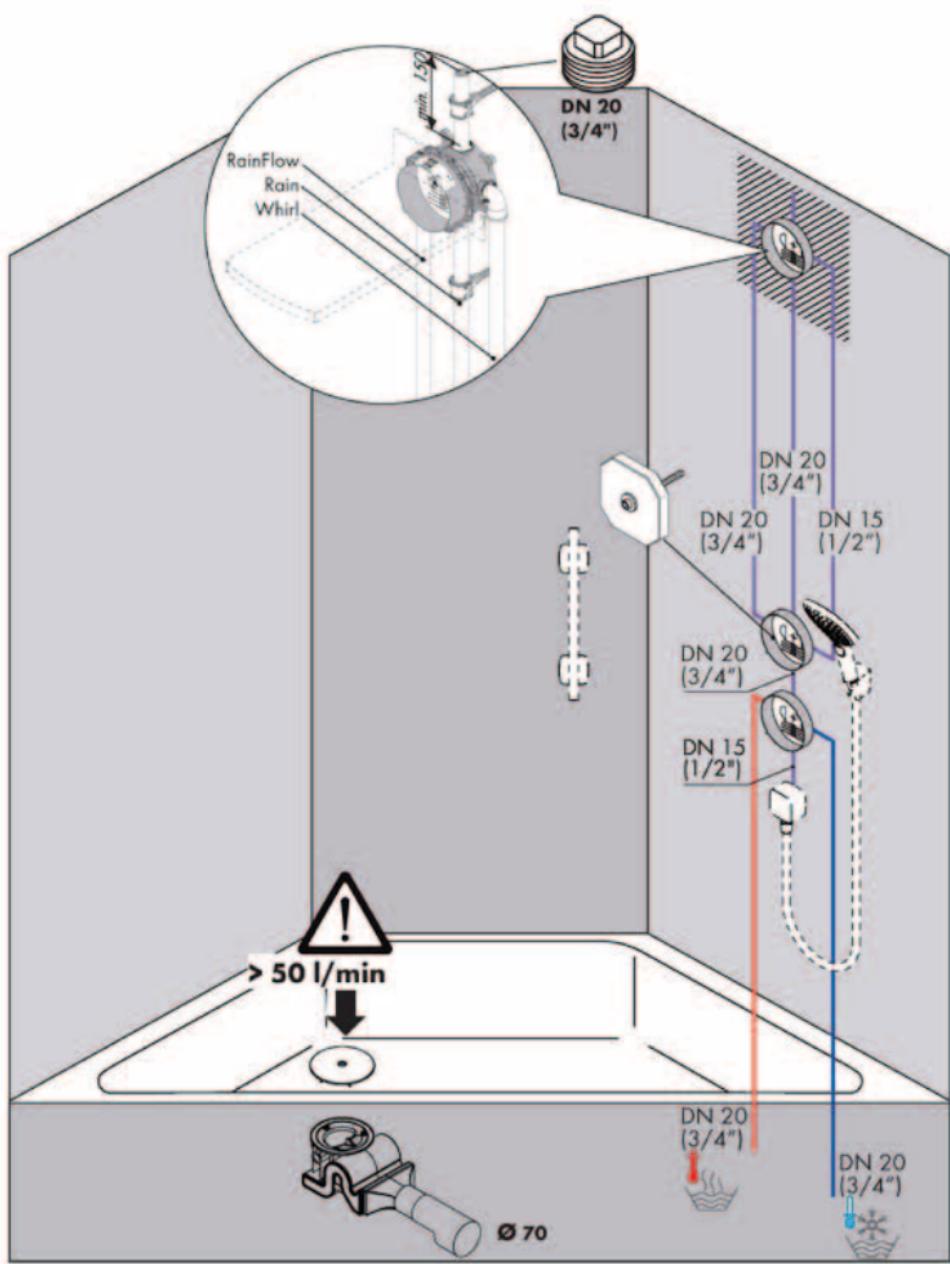


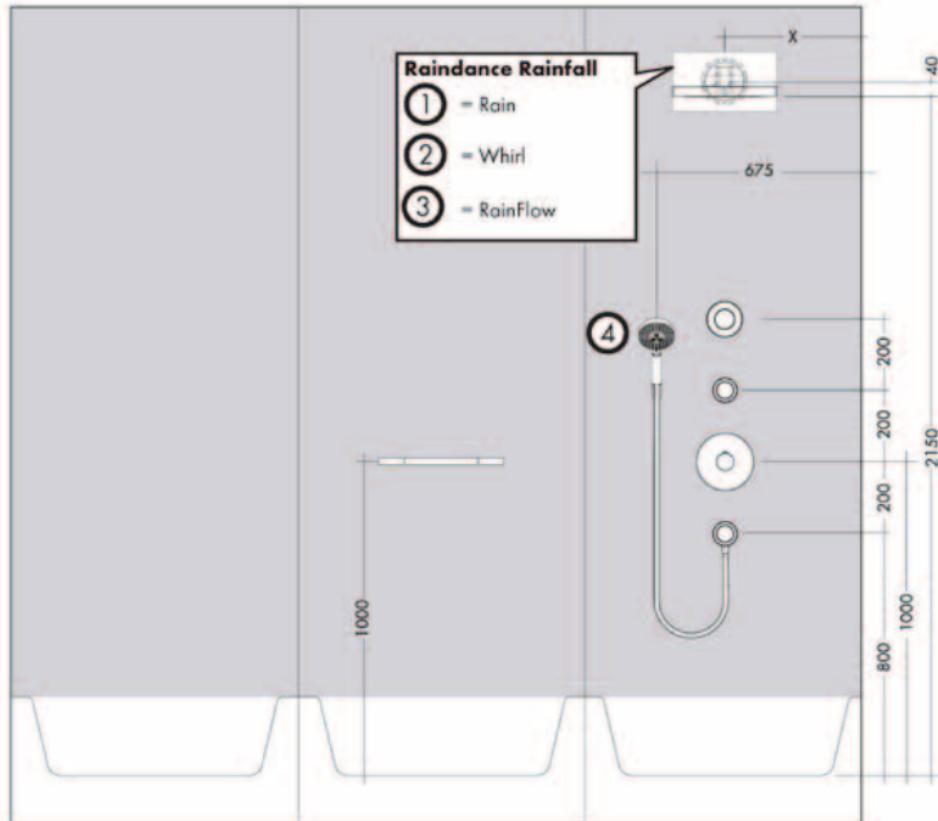
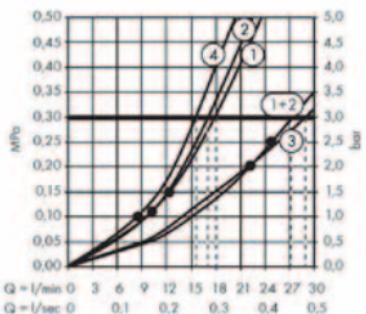


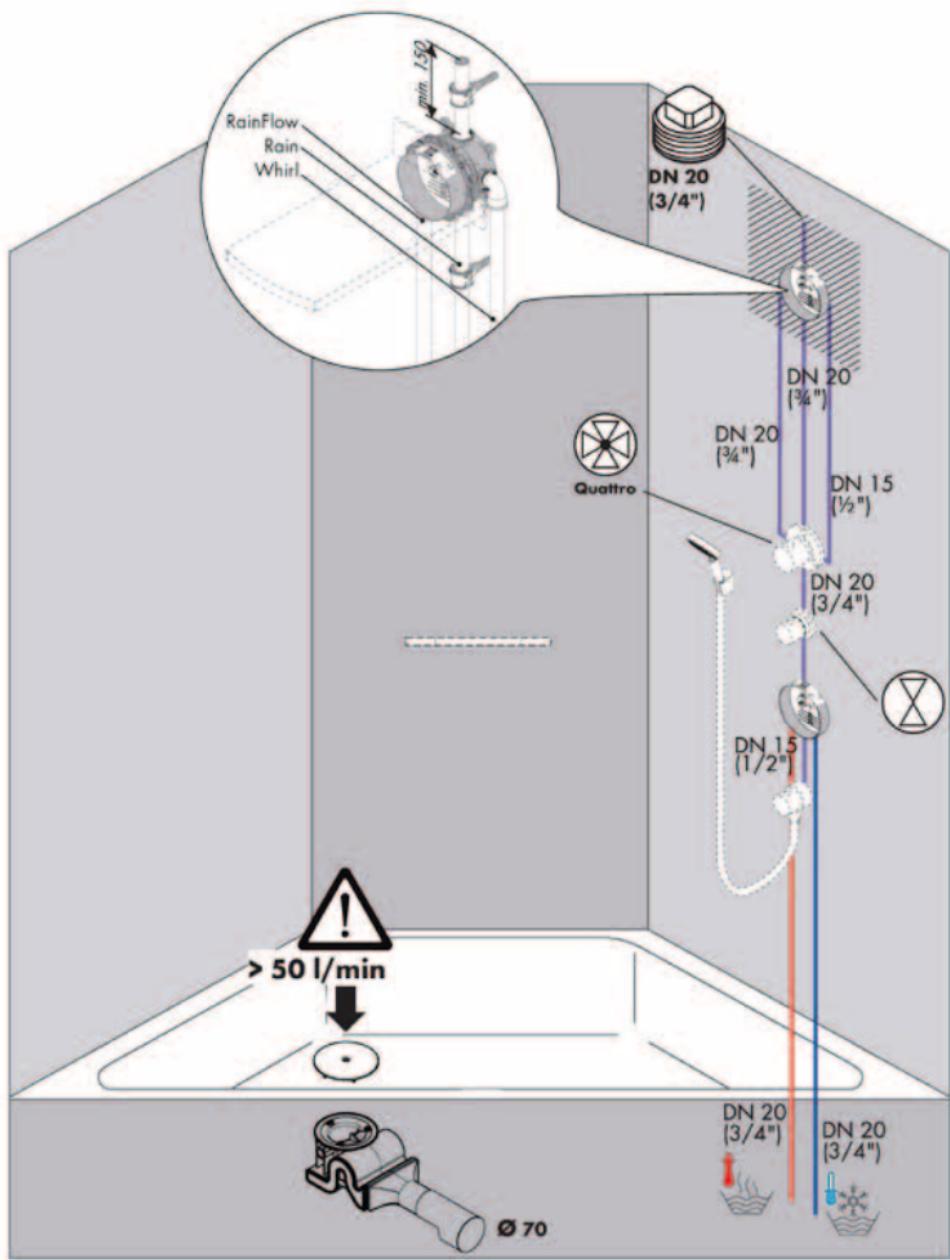


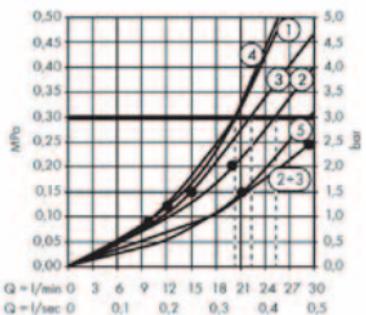






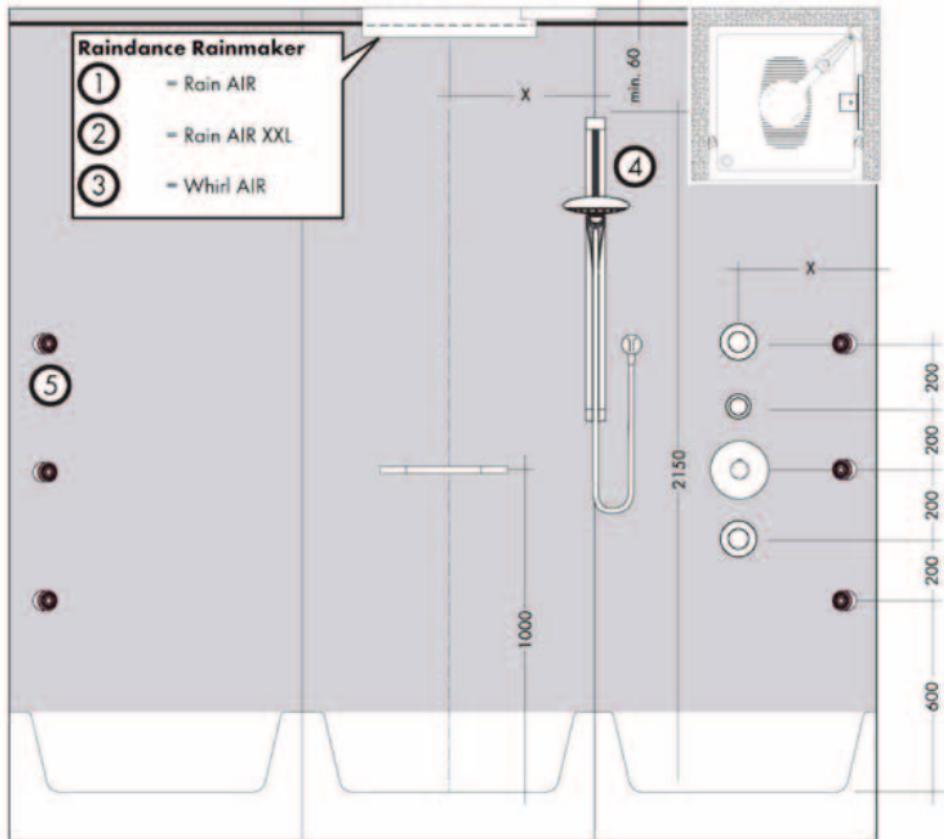


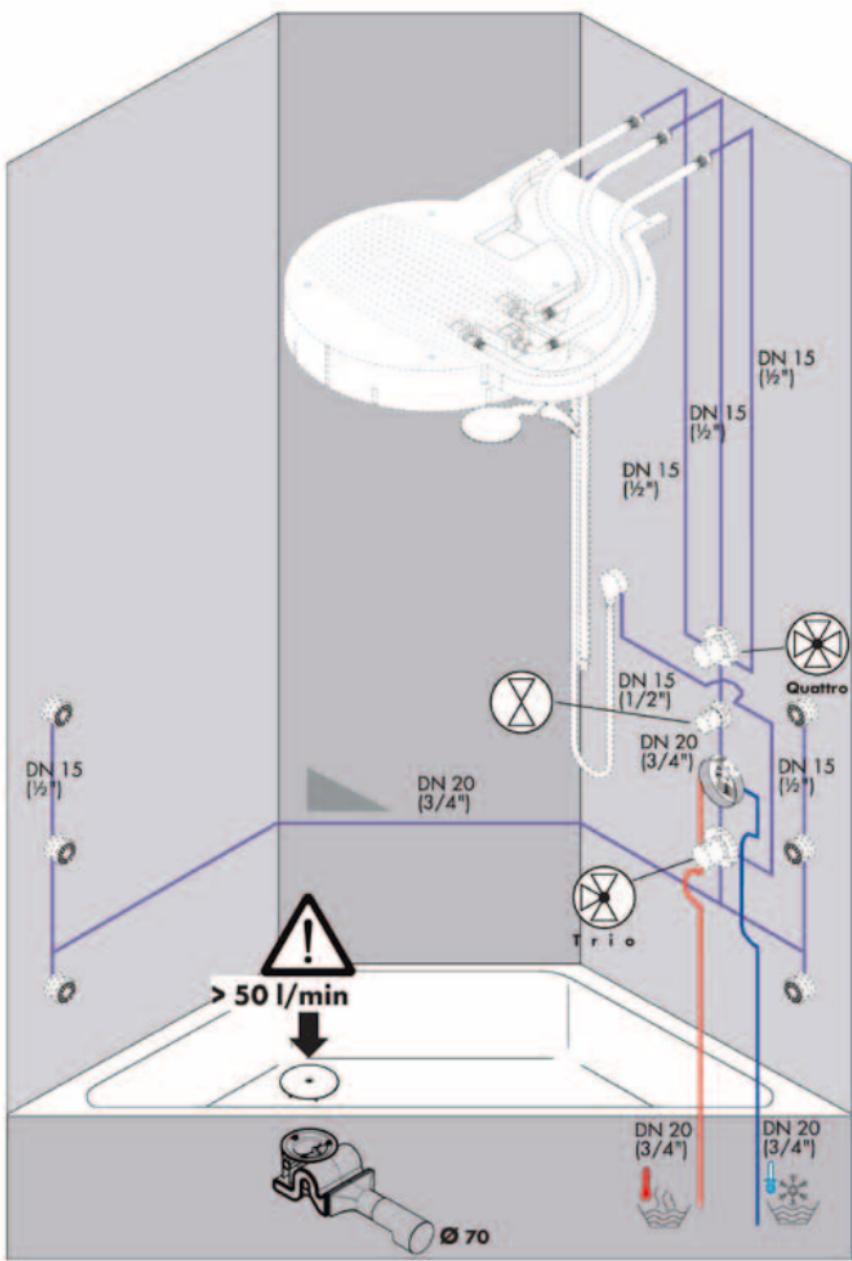


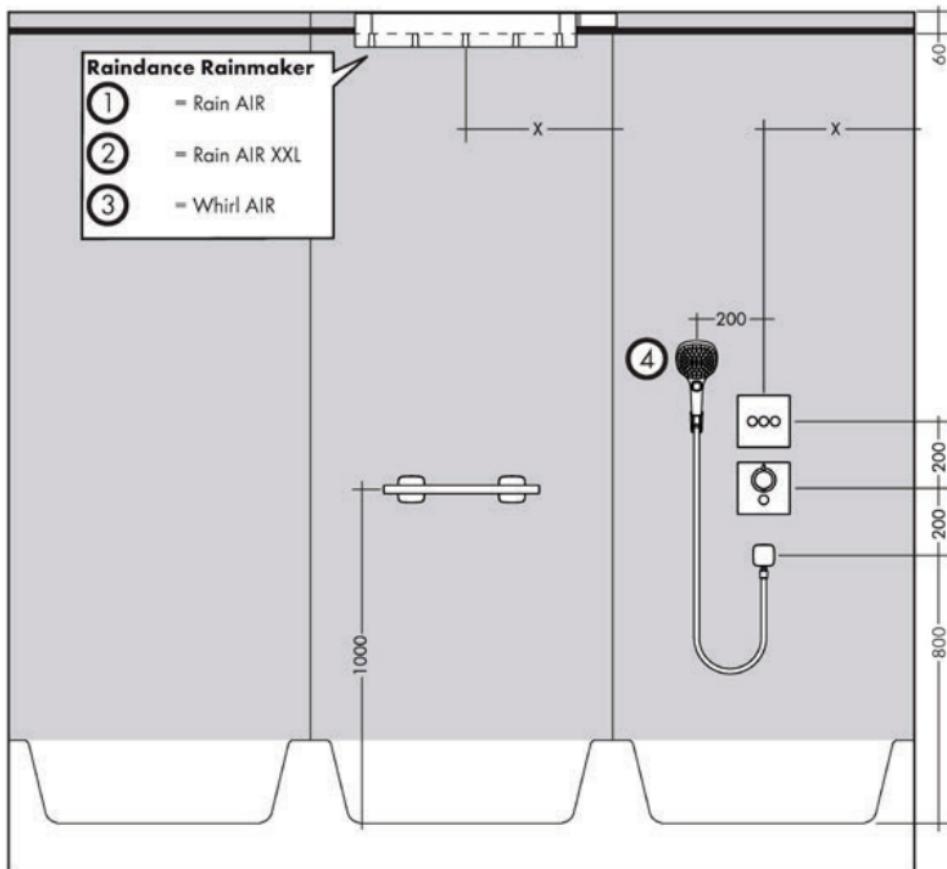
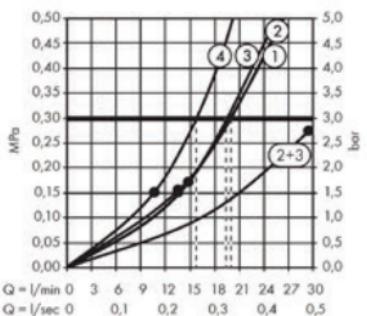
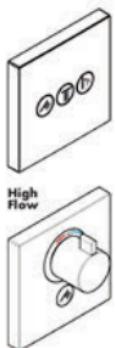


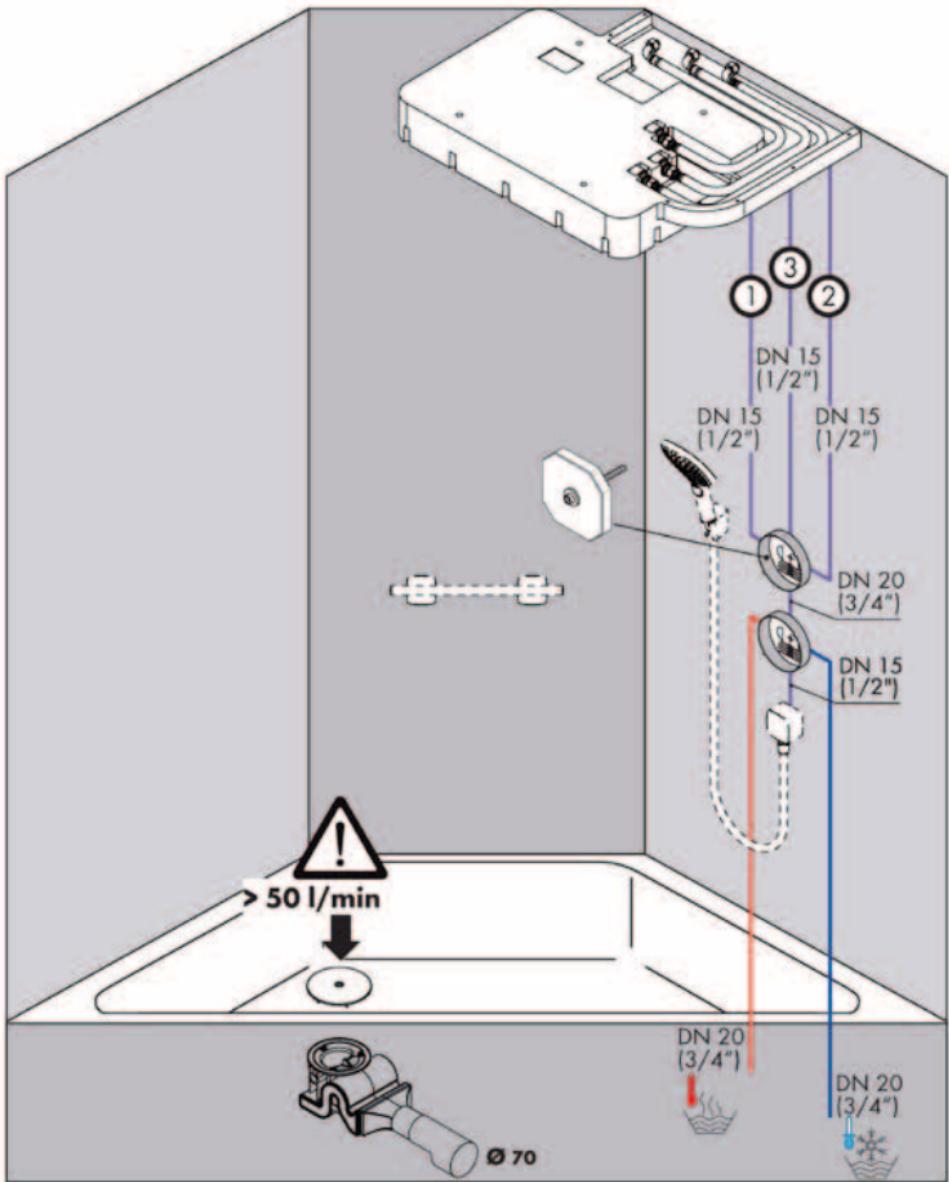
Raindance Rainmaker

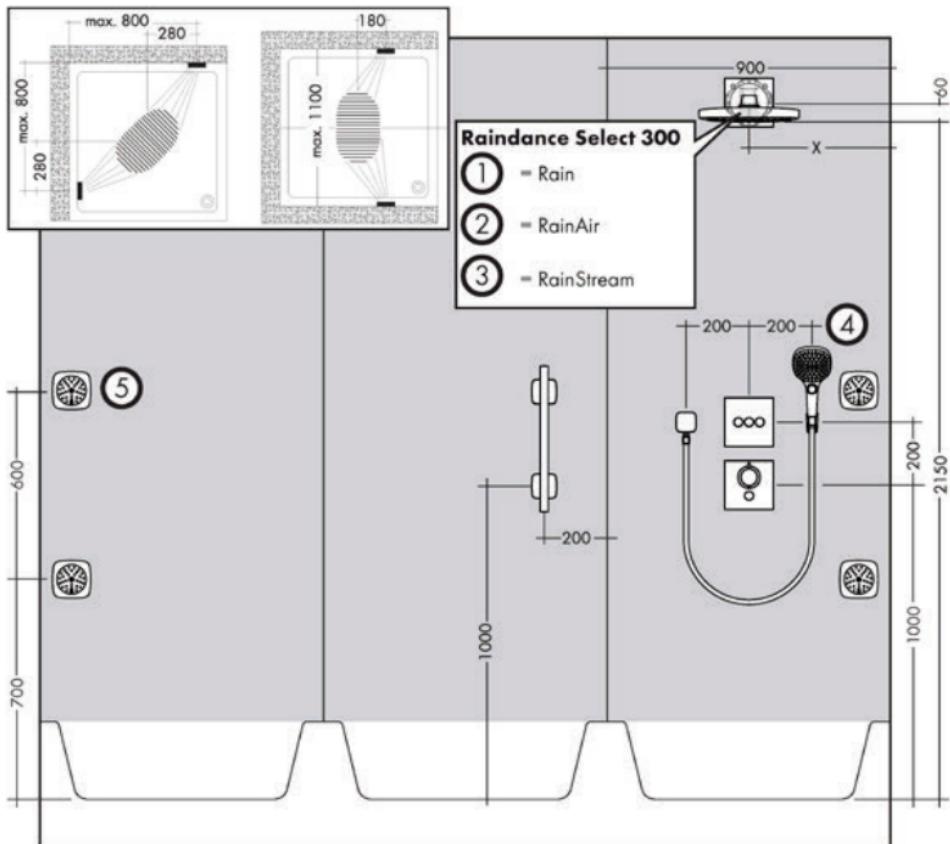
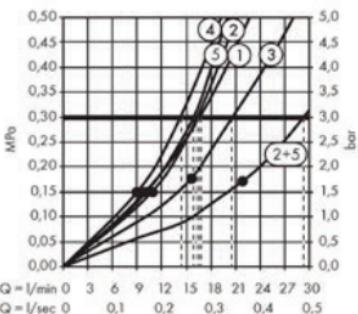
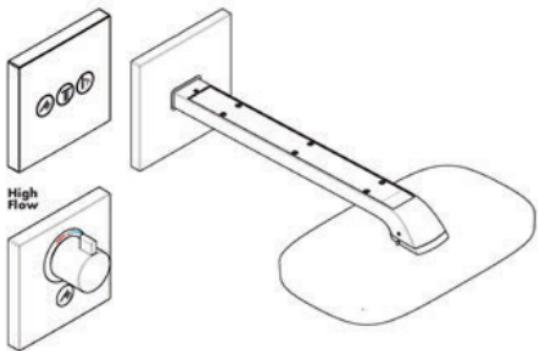
- 1 Rain AIR
- 2 Rain AIR XXL
- 3 Whirl AIR

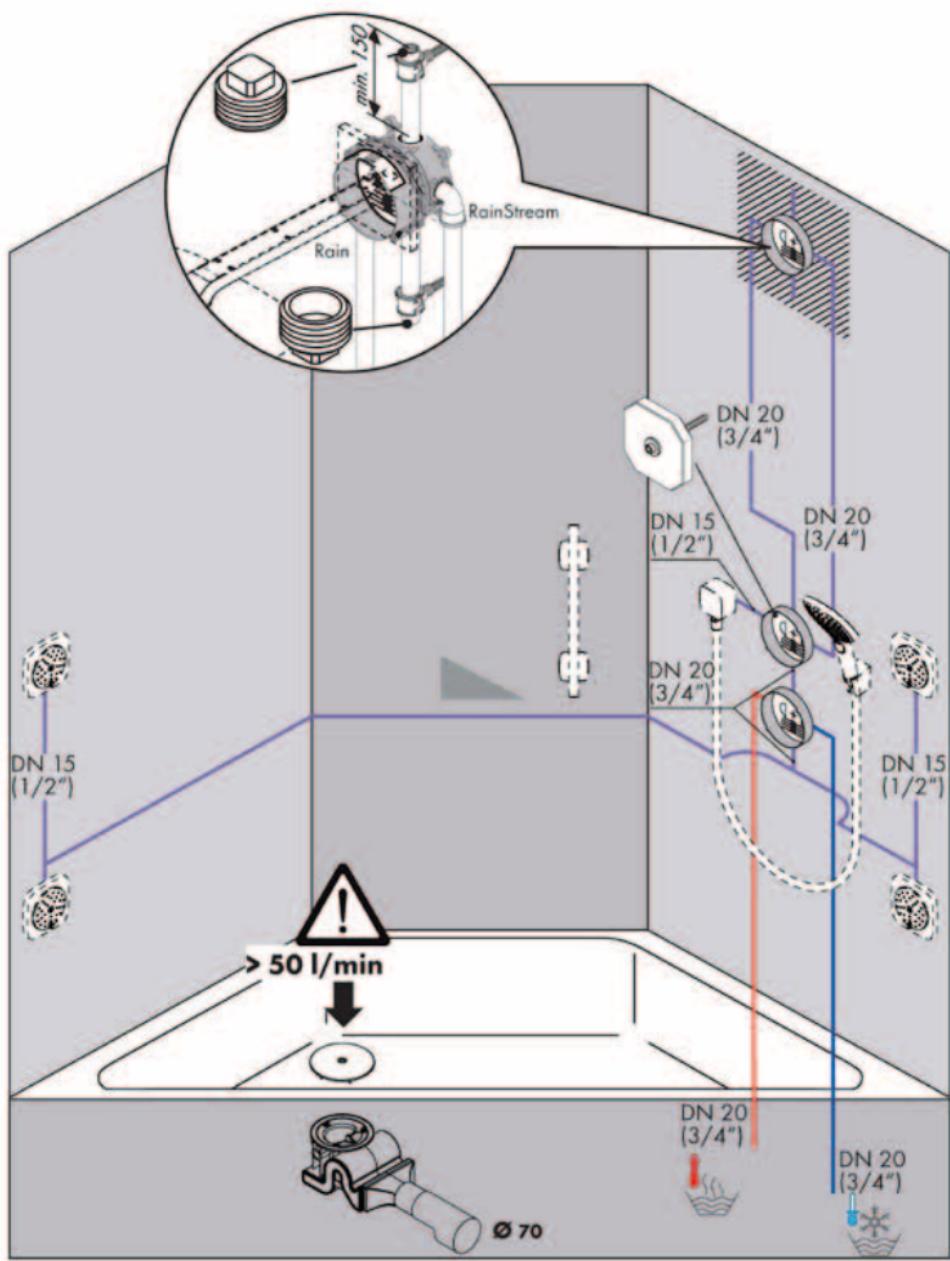


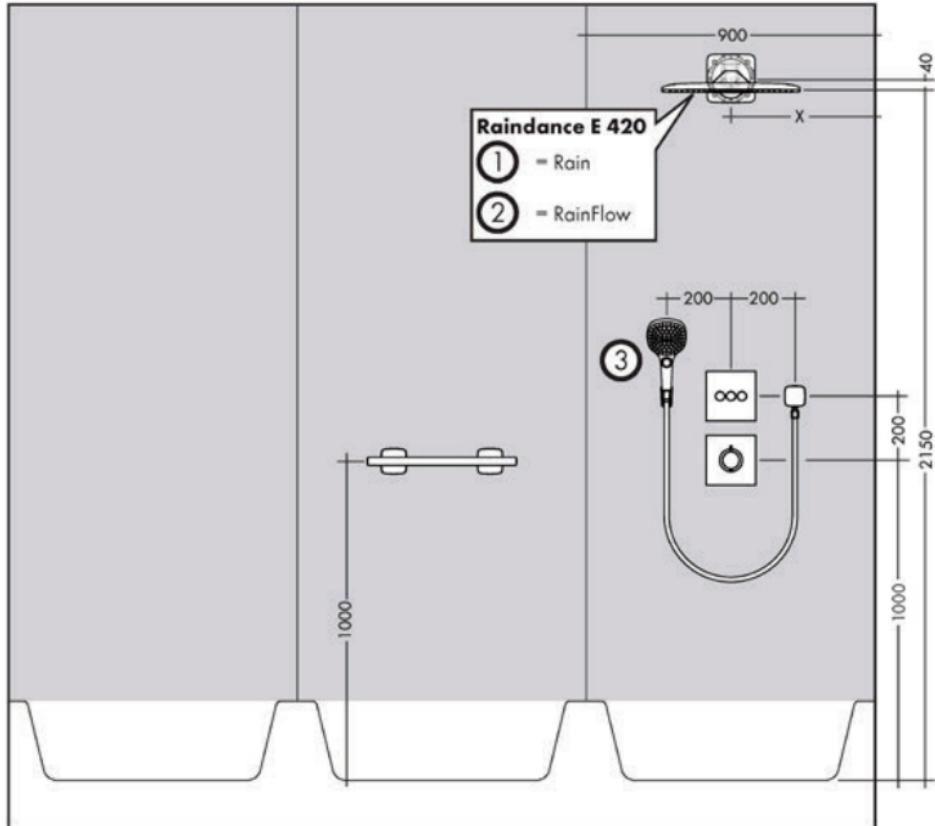
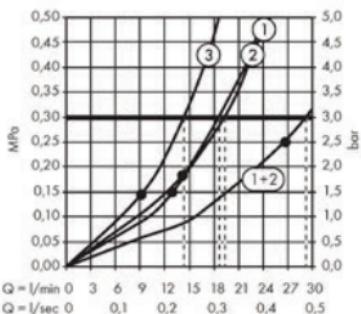
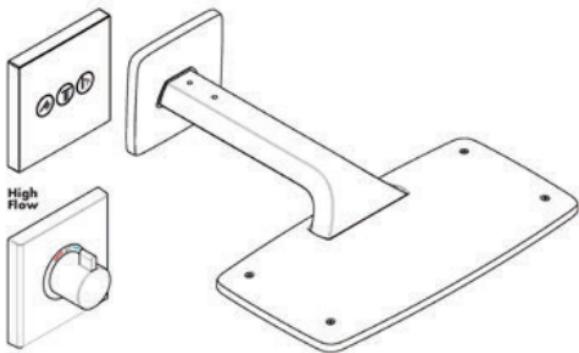


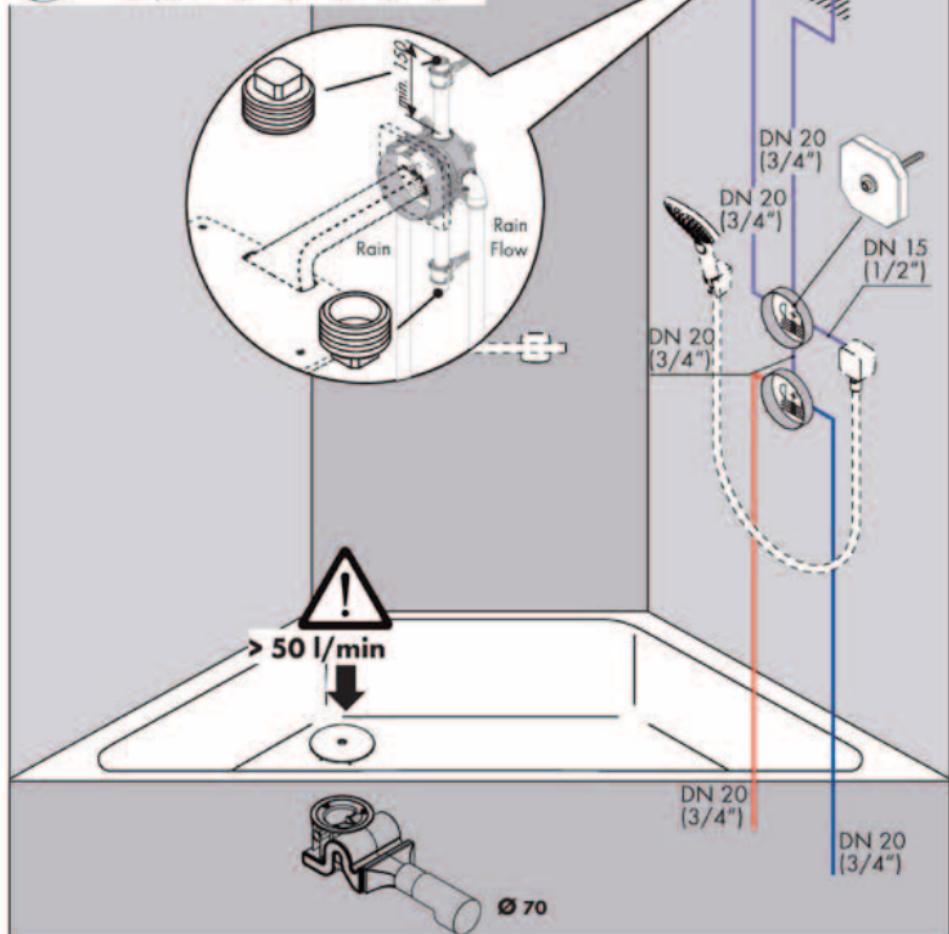
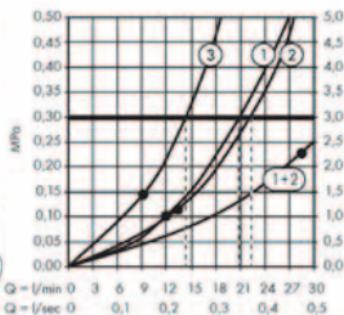
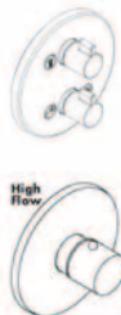


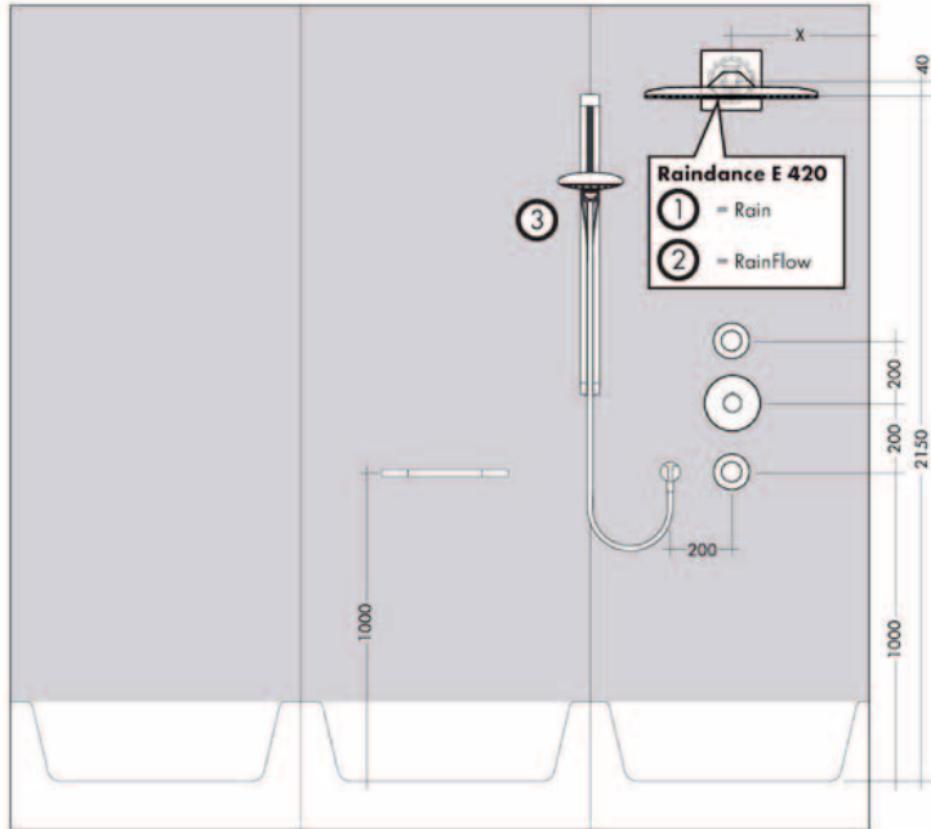
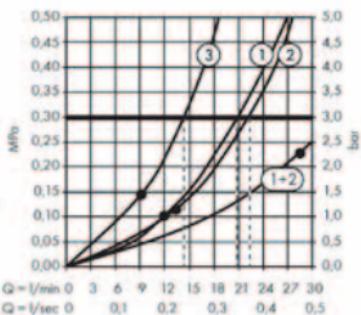
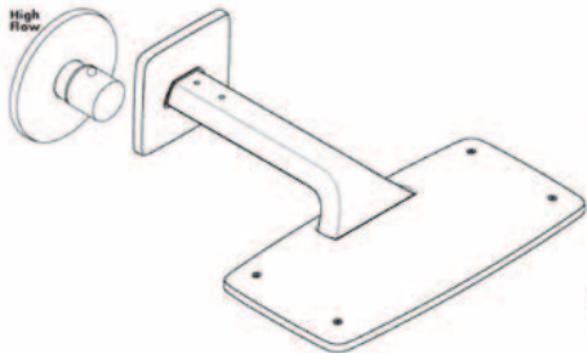


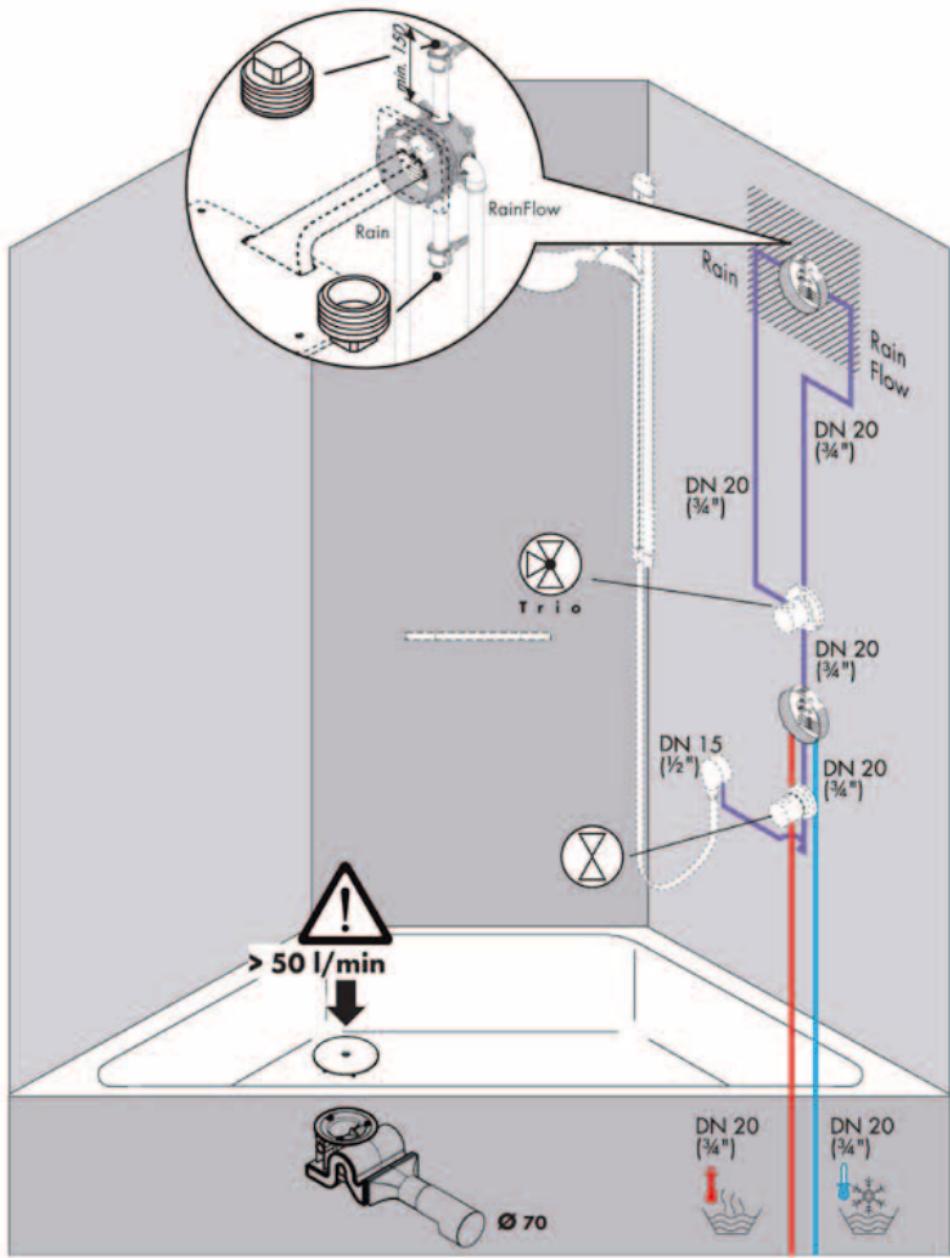


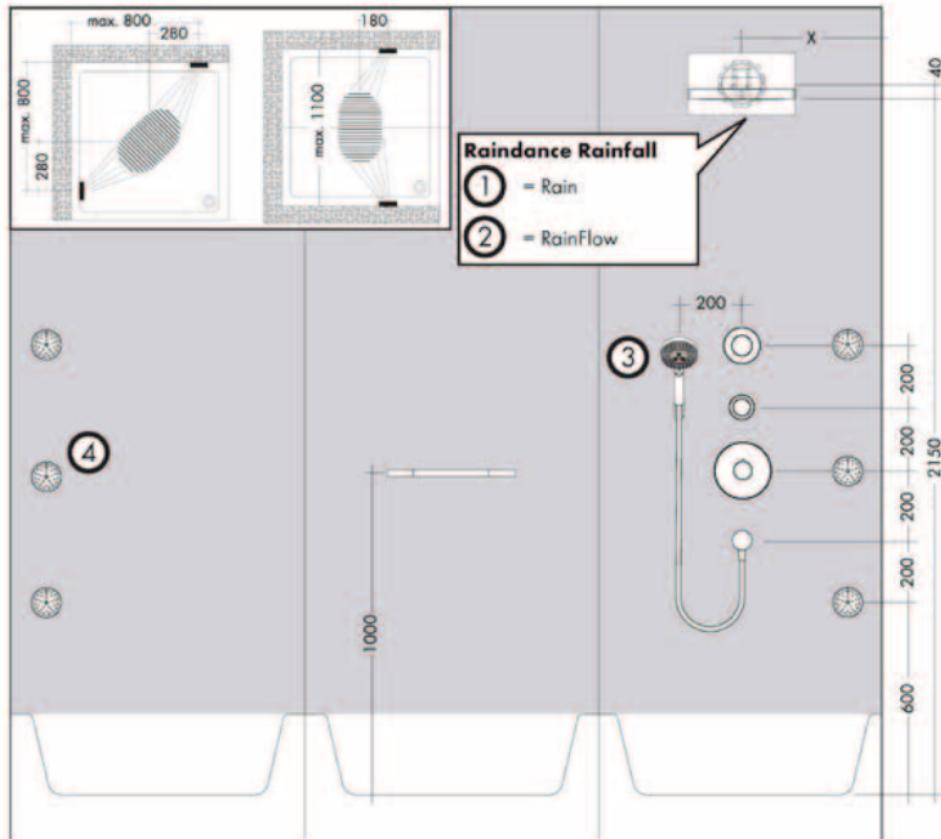
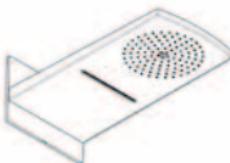
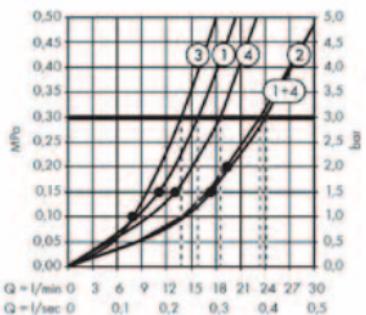


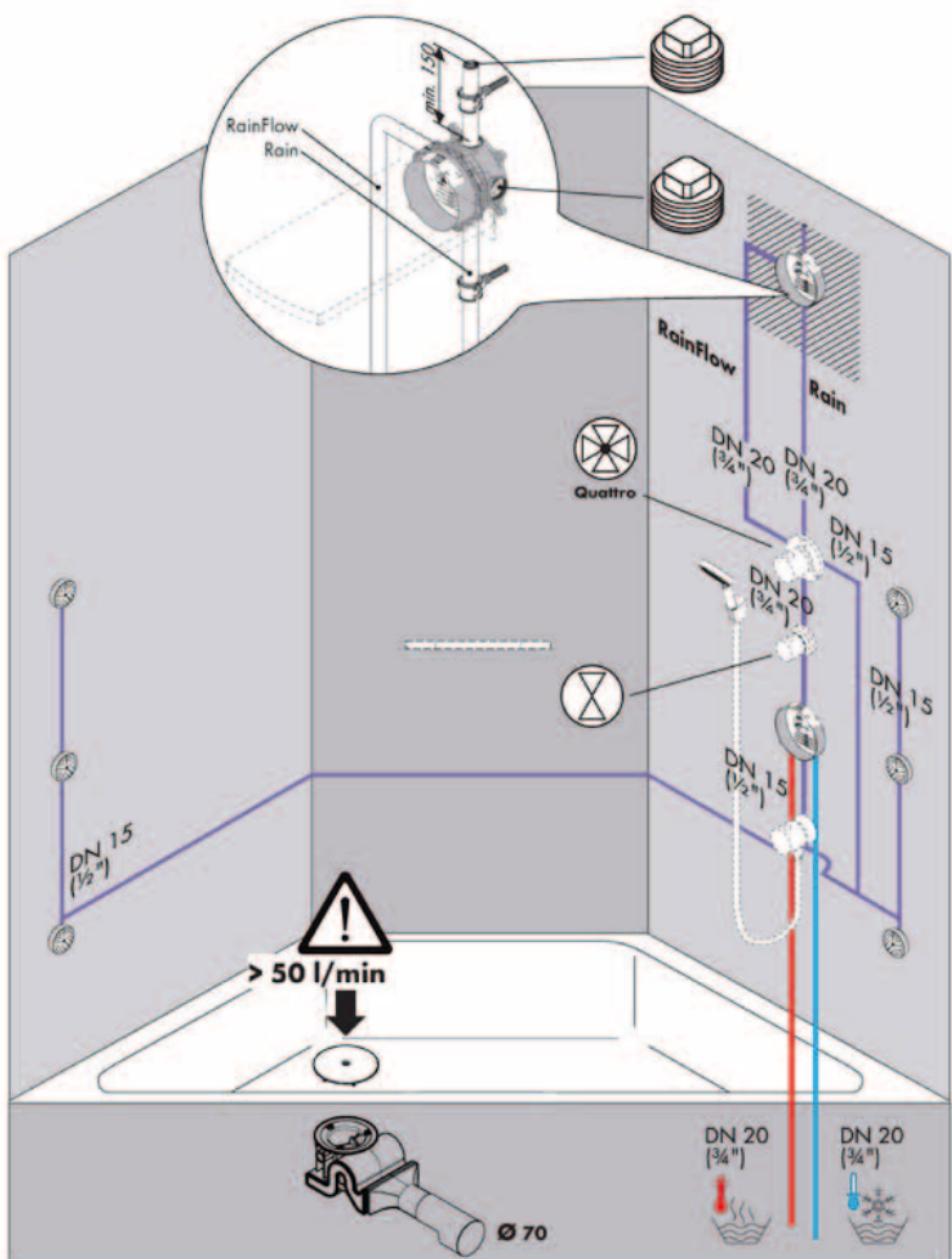


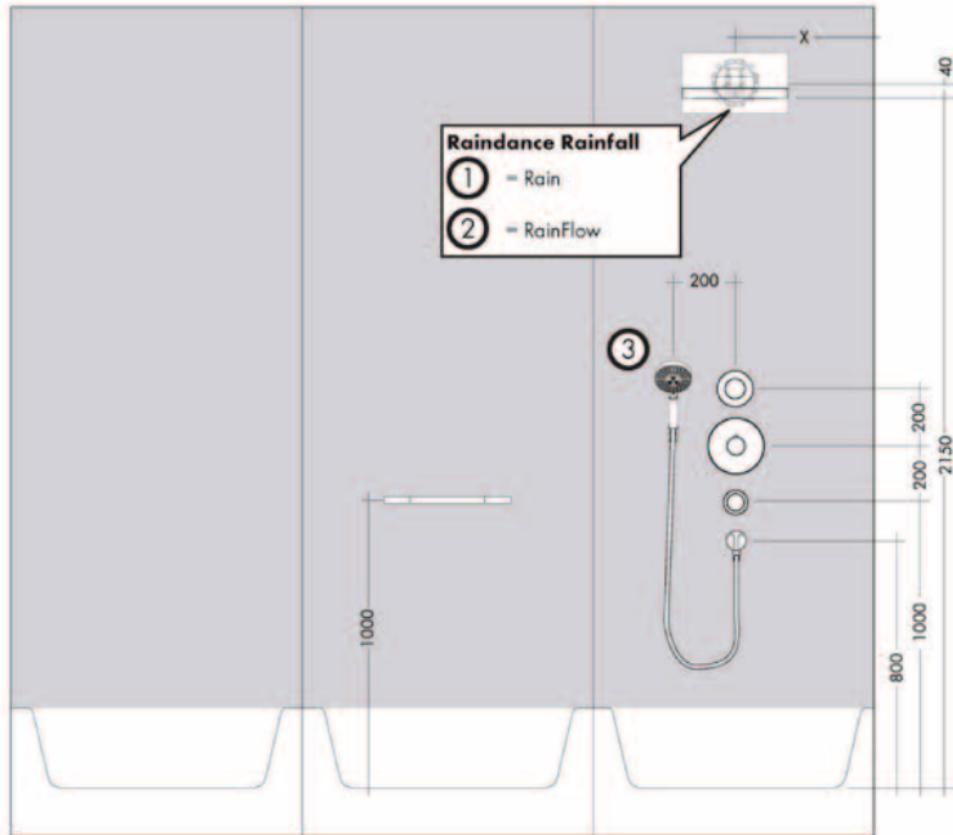
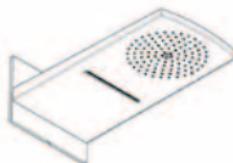
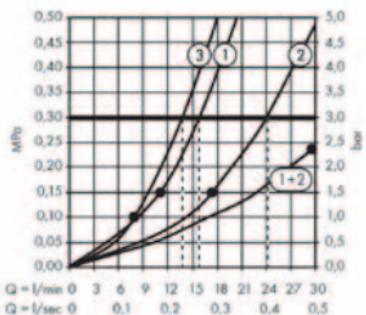


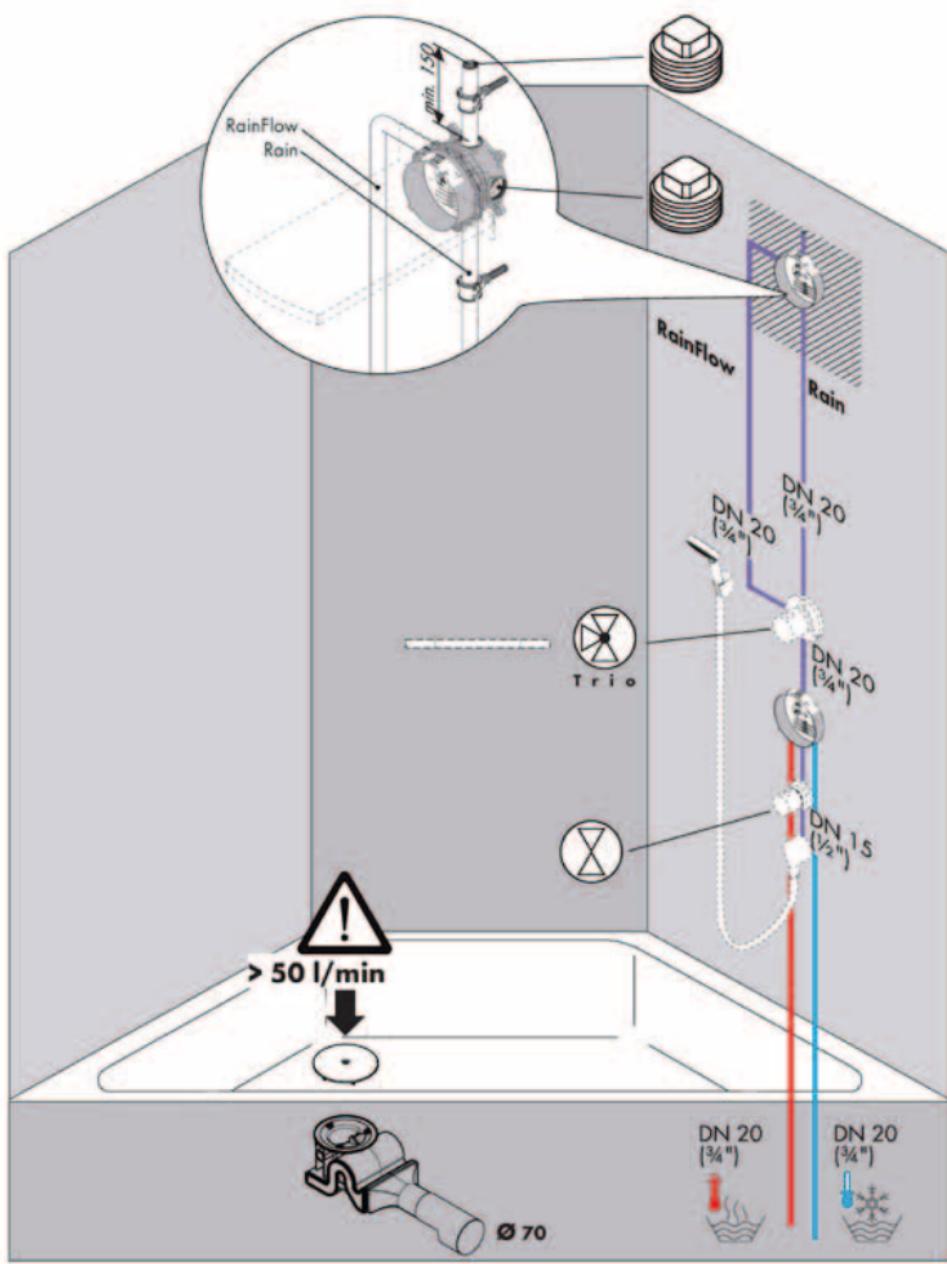


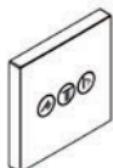




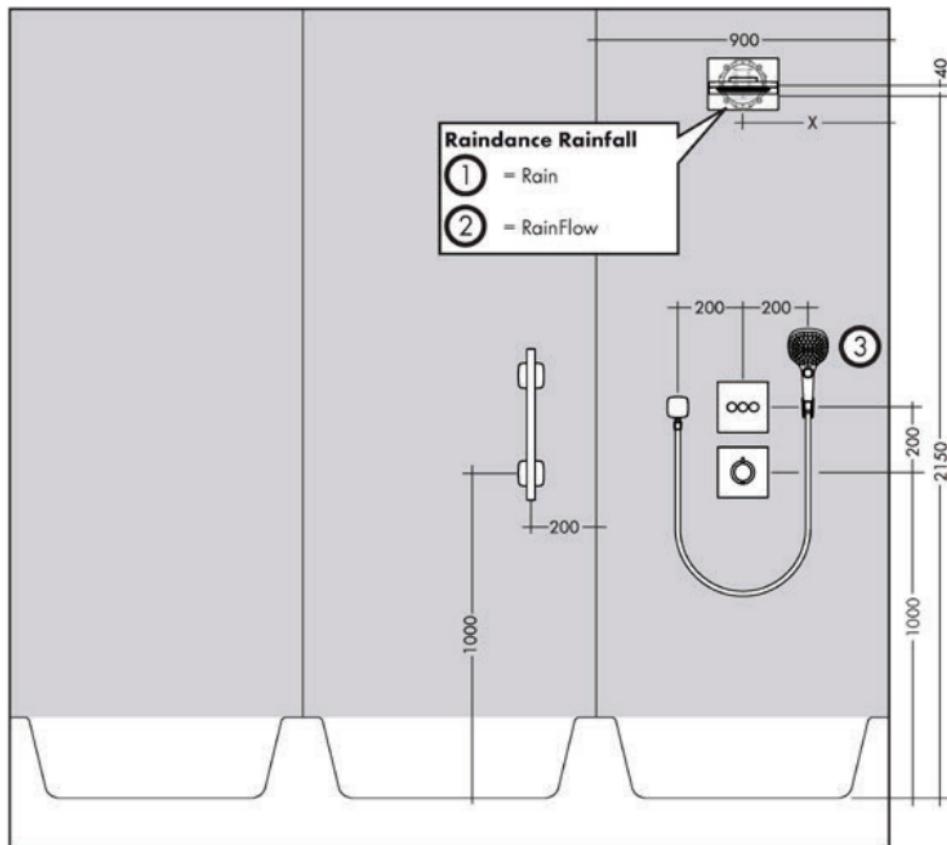
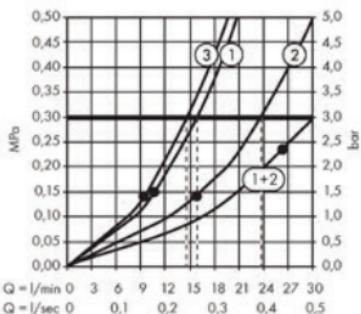
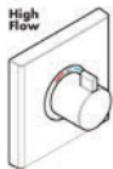


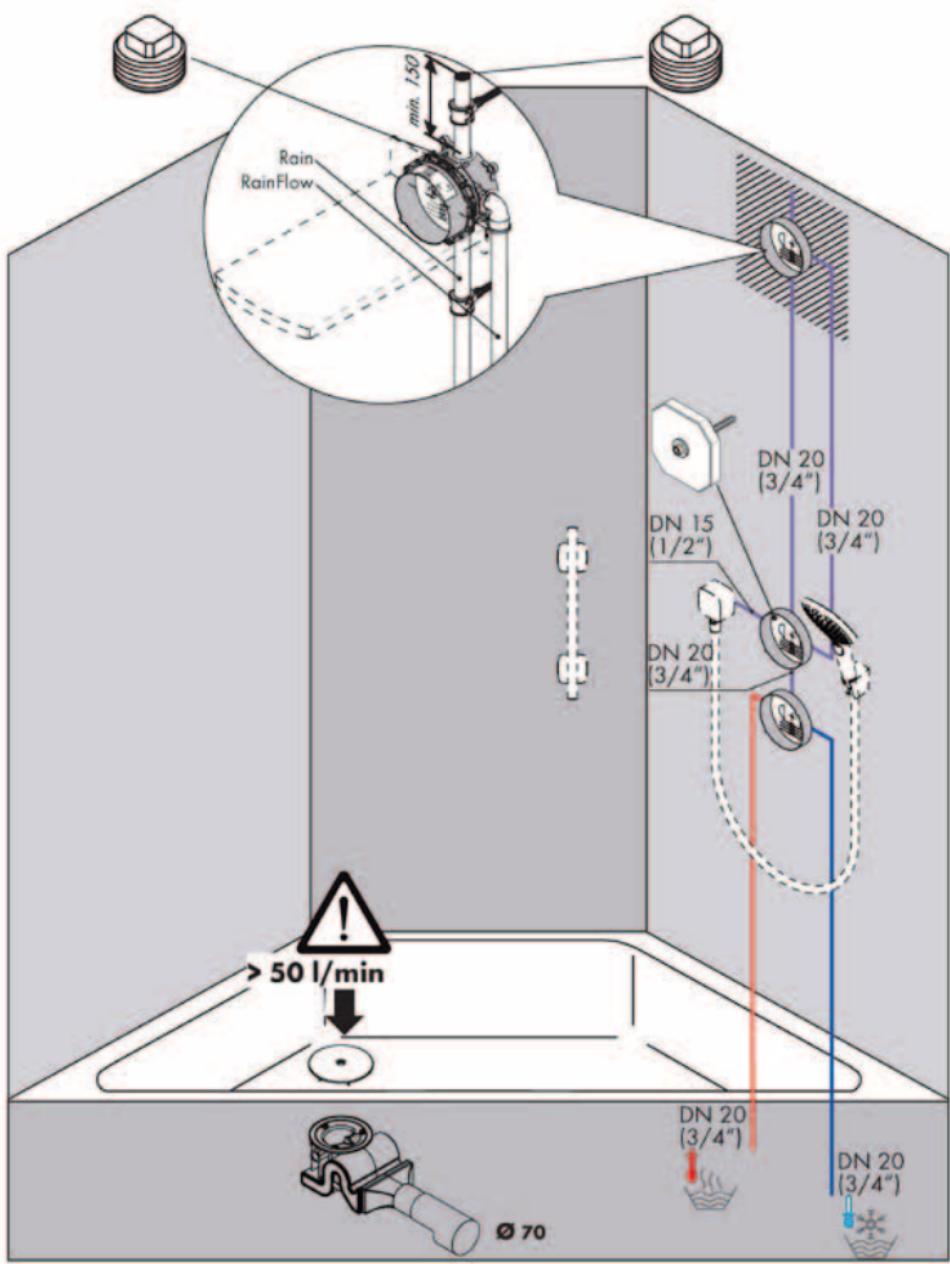


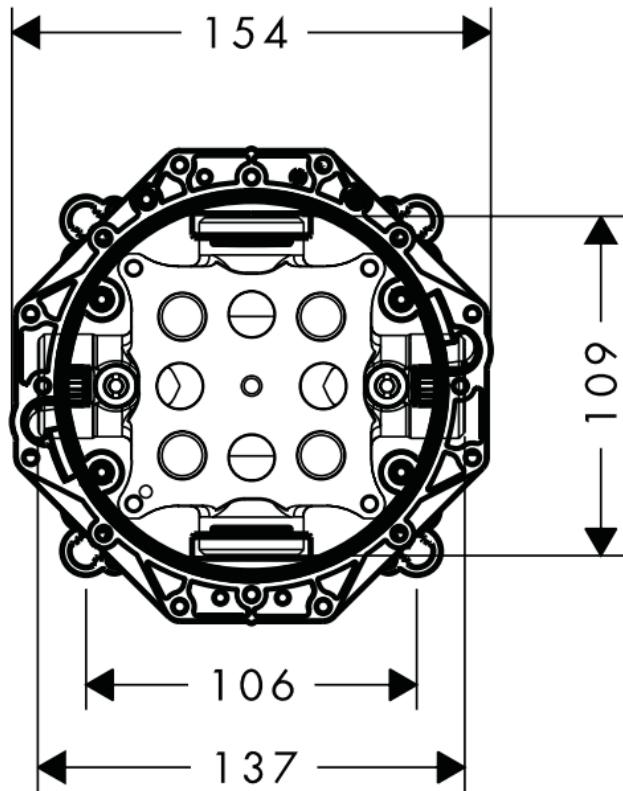
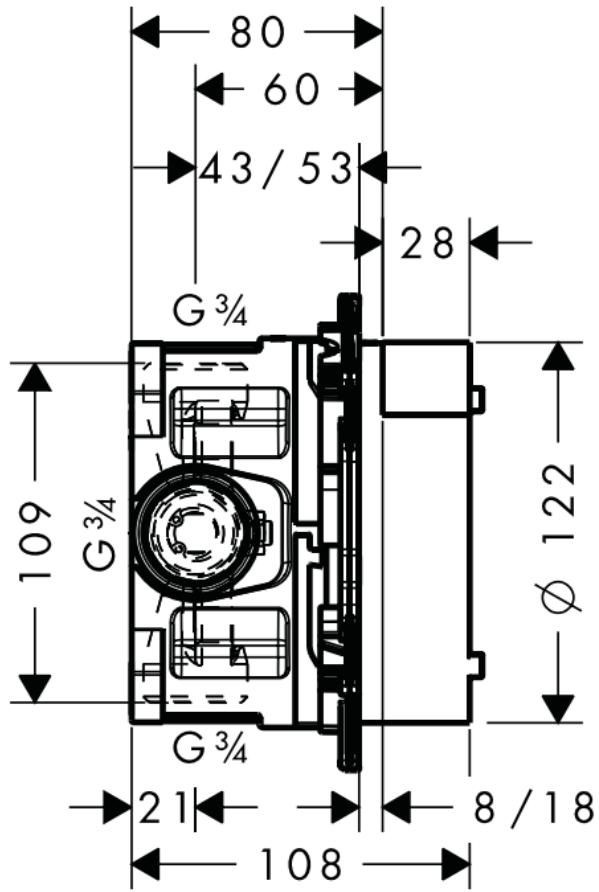




High Flow







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