

## Master Advice From The “Shower Experts”

Creating a shower system will be made easier and more enjoyable with thorough planning prior to installation. By exploring all the options first, you can have a pleasant experience in the design and specification of your system as well as in using it!

### What elements do I need to create a shower system?

- Showerhead
- Handshower
- Wall Outlet
- Bodyspray
- Wallbar
- Thermostatic Valve w/Volume Control
- Thermostatic Valve w/Volume Control and Diverter
- Trio 2-Way Diverter
- Quattro 3-Way Diverter

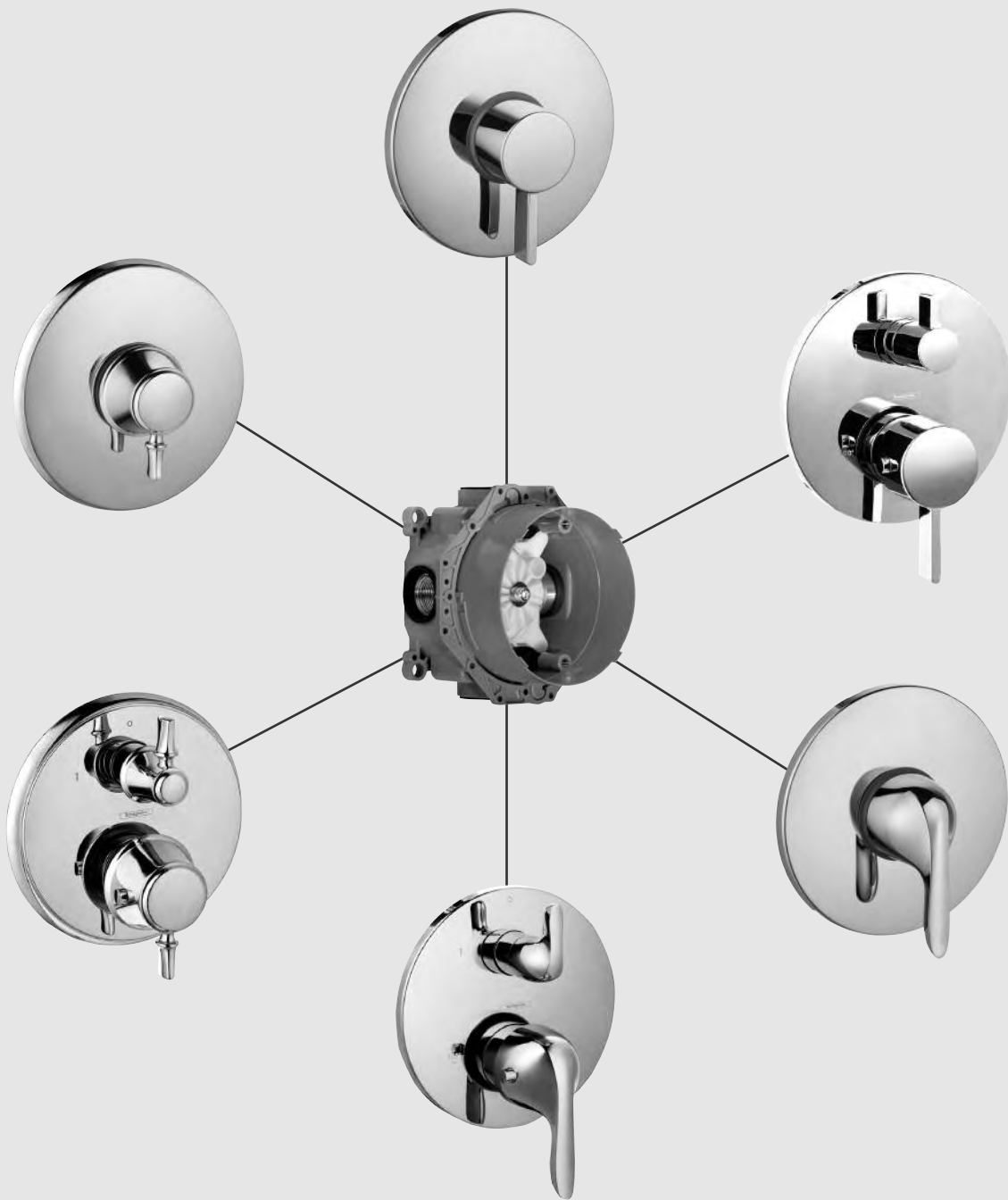
### You may have some questions before planning your shower system:

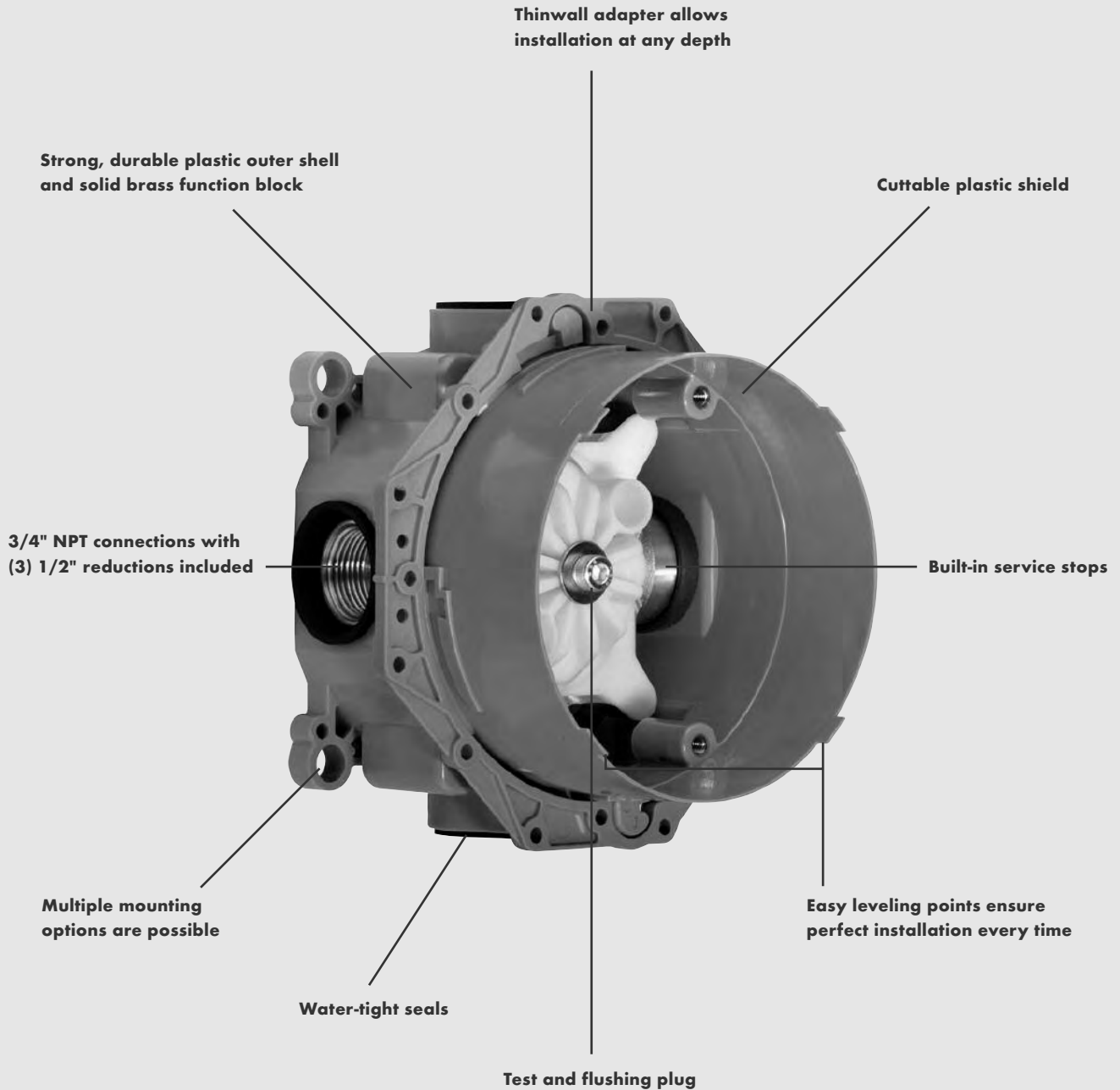
- What do I want from my shower? Relaxation, invigoration? More than one user at a time?
- Where can I put a Shower System? How much space will I need?
- How much do I want to spend? How much will I need to spend?
- What are the parts and components that I will need?
- How will all the valves and controls work together?
- What about the water supply, drainage and other practical considerations?
- Have I considered all possible users? Children, elderly users?
- Are there any special requirements, like access for the mobility challenged?

### What should I take into account when designing my shower system?

- **Budget:** Determine a budget for creating your shower system.
- **Space:** Showers can range in size from about 30" x 30" to any customized dimension.
- **Enclosures:** Enclosures contain splashing and create a more private space, but they are not a necessity when designing a shower system. An open plan can offer many possibilities.
- **Water Volume:** Determine the water volume you to have for your custom shower. The Flow Rate Work Sheet will help you with this.
- **Water Flow:** We recommend 38 - 65 PSI for a shower system to operate properly. Your plumber or contractor can help you determine your average incoming water pressure.
- **Water Heater:** It is important to ensure sufficient hot water supply. Here again, the Flow Rate Work Sheet will help you estimate the throughput of a system.
- **Floor Drain:** Install a drain (or multiple drains) that can handle twice the amount of water as all components combined provide.
- **Local Codes:** Local plumbing codes vary greatly from state to state. Be sure to understand and follow them.
- **Time:** Installation time may also be a factor, especially on do-it-yourself jobs. For peace of mind and efficiency, we recommend that shower systems be installed by a licensed plumber.

**iBox Universal Plus:  
One rough for any pressure balance  
or thermostatic shower system**



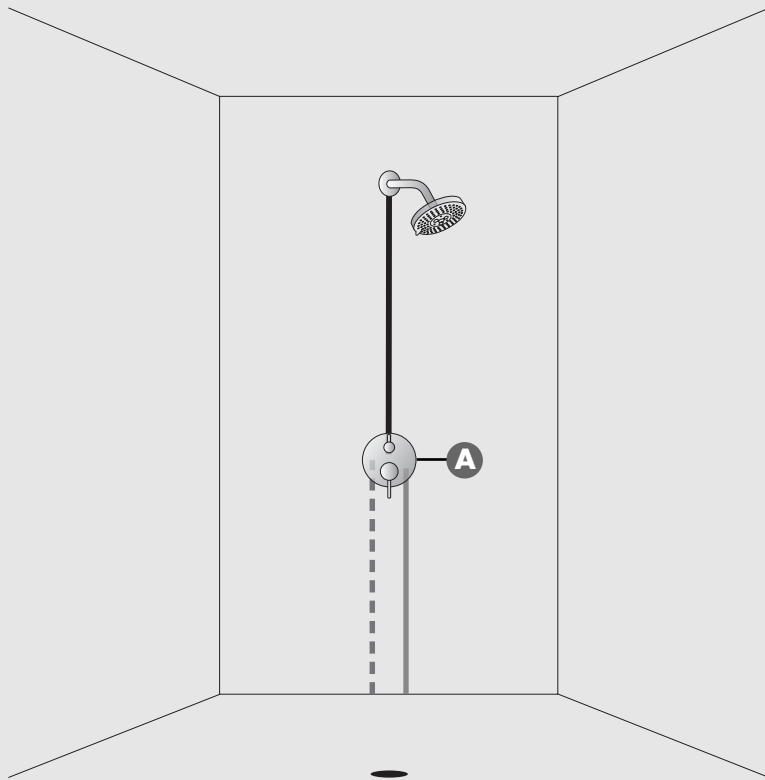


**iBox Universal Plus: The revolutionary rough from Hansgrohe**

- Install any Hansgrohe pressure balance or thermostatic trim, available in Hansgrohe S, E, or C styles and PuraVida thermostatic trim
- Easily upgrade from pressure balance to thermostatic at a later date
- Built-in service stops allow for easy servicing
- Installation seal stops any potential leaks from entering the wall
- Test and flushing plug allows installation and testing without having to install the trim first
- Installation ring allows installation with any wall depth
- Compatible with any piping, 3/4" or 1/2", with included pipe reductions

For extensions and service parts, please refer to section 19.

Shower Systems – Thermostatic



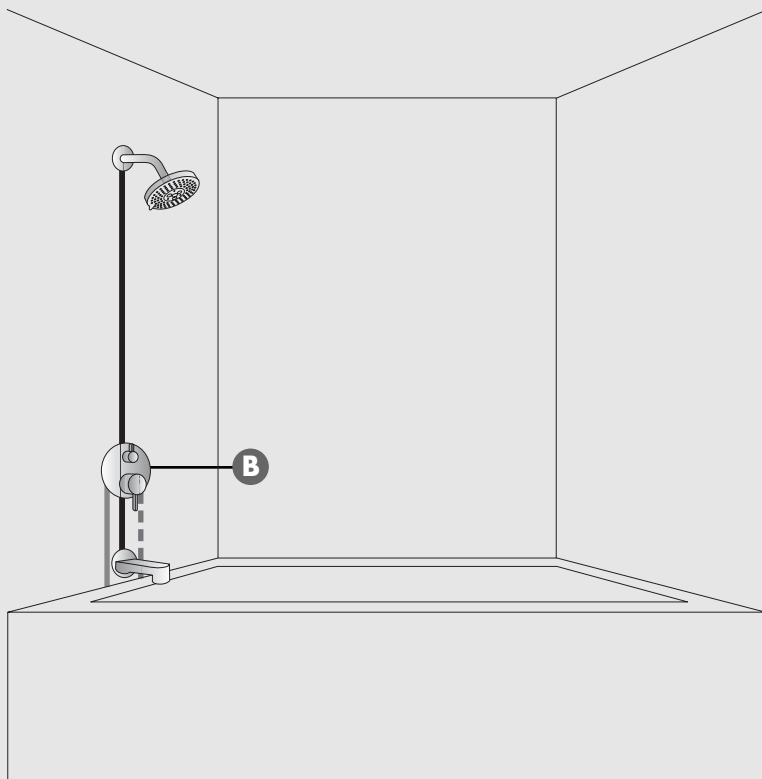
**Thermostatic  
1-Function Shower**

- Thermostatic Trim w/Volume Control
- Showerhead

Rough needed:

- iBox Universal Plus Rough #01850181

- A** Thermostatic Trim w/Volume Control  
Controls temperature and volume  
for **one** shower function



**Thermostatic  
2-Function Tub/Shower**

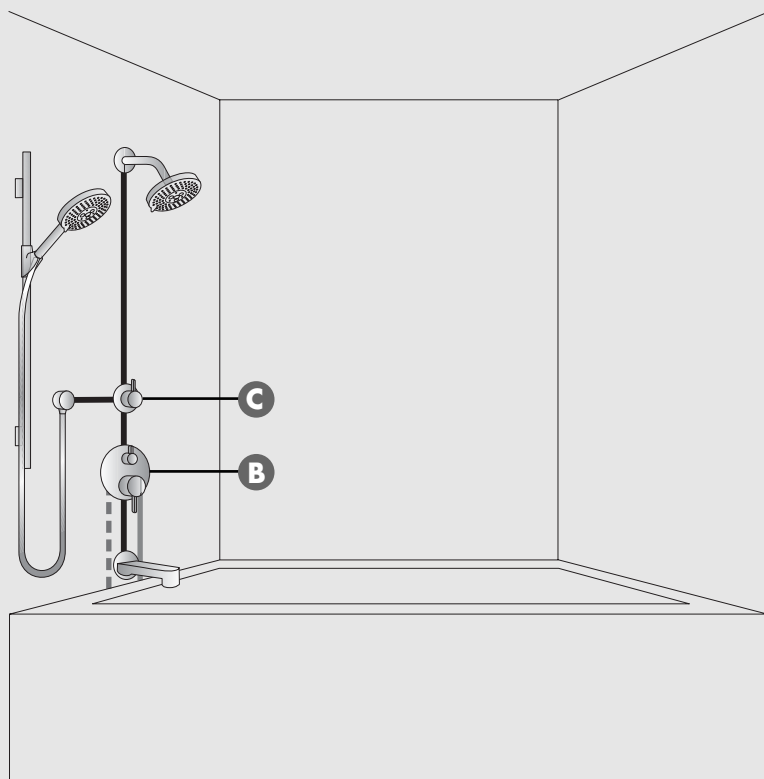
- Thermostatic Trim w/Volume Control and Diverter
- Showerhead
- Tub Spout

Rough needed:

- iBox Universal Plus Rough #01850181

- B** Thermostatic Trim w/Volume Control and Diverter  
Controls temperature and volume  
for **two** shower functions

## Shower Systems – Thermostatic with Trio/Quattro Diverter



### Thermostatic 3-Function Tub/Shower with Trio Diverter

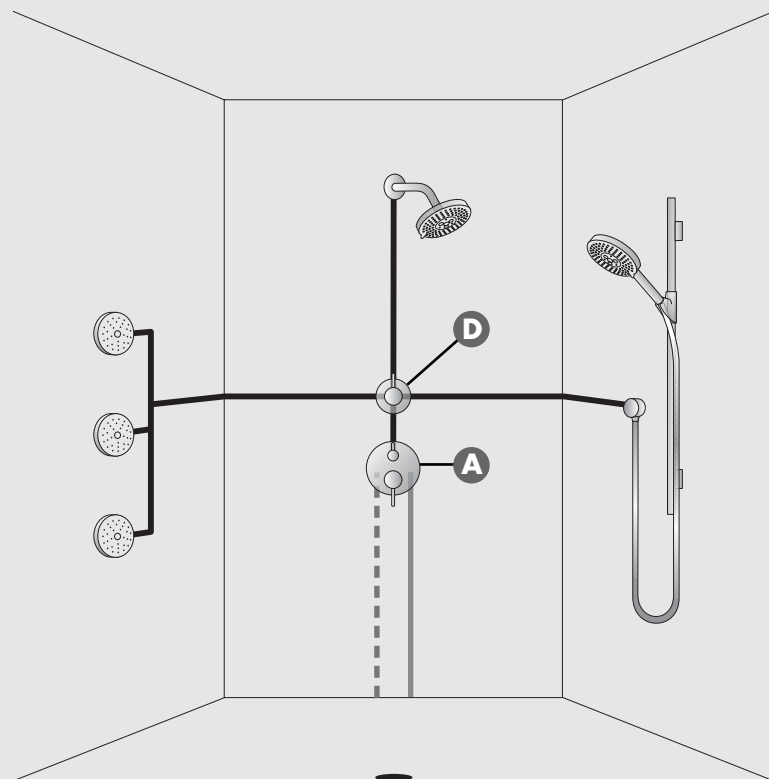
- Thermostatic Trim w/Volume Control and Diverter
- Trio/Quattro Diverter Trim
- Showerhead
- Wallbar with Handshower
- Tub Spout

Roughs needed:

- iBox Universal Plus Rough #01850181
- Rough, Trio 2-Way Diverter #15984181

**B** Thermostatic Trim w/Volume Control and Diverter  
Controls temperature and volume and diverts water for **two** functions  
(the integrated diverter selects between the tub spout and the shower functions – the Trio 2-Way Diverter selects between the two shower functions)

**C** Trio 2-Way Diverter  
Allows operation of two shower functions or a combination of both



### Thermostatic 3-Function Shower with Quattro Diverter

- Thermostatic Trim w/Volume Control
- Trio/Quattro Diverter Trim
- Showerhead
- Wallbar with Handshower
- Bodysprays (3)

Roughs needed:

- iBox Universal Plus Rough #01850181
- Rough, Quattro 3-Way Diverter #15930181

**A** Thermostatic Trim w/Volume Control

**D** Quattro 3-Way Diverter  
Allows operation of three shower functions or any combination of two

## Flow Work Sheet

Product	Water flow in GPM (gallons per minute)*
Showerhead	2.5
Handshower	2.5
Body Jet	1.0

Using the values below, you can calculate the maximum flow rate of your system.

Product	Quantity	X	GPM	=	Total GPM
Showerhead	_____	x	2.5	=	_____
Handshower	_____	x	2.5	=	_____
Body Jet	_____	x	1.0	=	_____
Other Outlets	_____	x	_____	=	_____

**Add 2 Highest Values:**

The valve's mixed water output should be equal to or greater than: \_\_\_\_\_ GPM \*\*.

## EcoRight Flow Work Sheet

Product	Water flow in GPM (gallons per minute)*
Croma E 75 Green Showerhead or Handshower	1.5
Croma E or Croma C 100 Green Showerhead or Handshower	1.75
Raindance Bodyspray	0.9

Using the values below, you can calculate the maximum flow rate of your system.

Product	Quantity	X	GPM	=	Total GPM
Croma E 75 Green Showerhead or Handshower	_____	x	1.5	=	_____
Croma E or Croma C 100 Green Showerhead or Handshower	_____	x	1.75	=	_____
Raindance Bodyspray	_____	x	0.9	=	_____
Other Outlets	_____	x	_____	=	_____

**Add 2 Highest Values:**

The valve's mixed water output should be equal to or greater than: \_\_\_\_\_ GPM \*\*.

### Hansgrohe Valve Flow Rates:

	Water Output @ 44 PSI	@ 65 PSI
Pressure Balance:	6.5 GPM	7.5 GPM
Thermostatic w/Volume Control:	8 GPM	10.5 GPM
Thermostatic w/Volume Control and Diverter:	8 GPM	10.5 GPM

The number and placement of different shower products will determine the number and type of thermostatic valves you need. It is possible to use more than one Thermostatic valve in a shower. Multiple units must be supplied independently.

\*For detailed flow rates for shower components, please refer to main product listing later in this book.

\*\*This value cannot exceed the capacity of your incoming water supply! You also must use this value as a guide in determining the capacity of the water heater(s) and drain(s).

