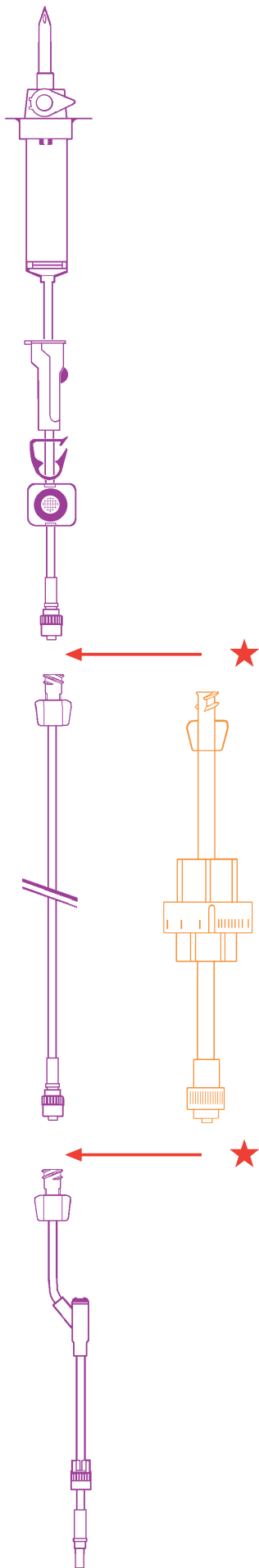


# Improved Flow Adjustment: Using Flow Regulators



## Infusion accuracy made easy...

Flow regulators make flow adjustments at low rates or with frequent adjustments so much easier. With the ModuFlo range you can regulate any set of your choice, and use your preferred valve type. In addition, both regulators can be added after the infusion has commenced. This gives you a choice of 8 set/valve combinations, and includes Spiral and Burette sets

Flow regulators avoid the problems we see with normal roller valve control. These problems include tubing compliance and 'valve creep'.

- ⇒ **Tube Compliance:** When adjusting a roller valve, the tubing is squeezed and takes a short while to fully adapt to the new setting. This means that the flow rate is different when you check a few minutes after setting the flow rate correctly.
- ⇒ **'Valve Creep':** After adjustment, a roller setting can be displaced slightly into a different position. This results in different flow rates than originally set.



Paediatric (FPV-PAED)

## Valve design and function

- The valve has a series of internal channels through which fluid flows
- The size of these channels dictates how fast fluid flows
- Changing the 'rate' on the valve immediately changes the channel size
- Any such change takes effect immediately, and does not rely on tubing compliance
- As a result, the new flow rate can now be calculated immediately by counting the drip chamber, rather than waiting for a new setting to stabilise
- This regulation allows accurate, frequent changes at low flow rates

Flow rates on valves are always approximate. ALWAYS confirm actual flow rate by counting the chamber drip rate

## Main Applications

- **Accurate, immediate** flow rate adjustments on **any** patient
- **Frequent** adjustments at **low** flow rates (especially on **small** patients)

## Optimal valve positioning

Flow regulators work regardless of their in-line position, but are more effective and economical when placed at the **PROXIMAL** luer connection on ModuFlo giving sets:

- Regulators work best when fluids are siphoned rather than pushed through them
- A proximal position allows easier access and adjustment without disturbing patients
- Proximal positioning prevents damage to the regulator mechanism
- When positioned proximally, the regulator does not interfere with patient mobility and reduces the risk of catheter disturbance

## Benefits of the ModuFlo range with separate valves

The range of giving sets offer a number of advantages over standard regulated sets:

- Your choice of two regulator types to suit your needs & those of your patient
- Any set can have a regulator added if required, including our burette & spiral sets
- Regulators can be added after the infusion has begun, without disturbing the catheter
- If the set is damaged, the regulator will remain functional, so just replace the damaged section of the set

## Flow Variance

All flow regulators have a variation between set rate and actual flow rate; this is 'flow variance'

- Always confirm flow rate by chamber drop rate
- Variance is constant for each patient & kenne
- Contact us for more details if required



**infusion**  
**concepts**