

# Total IV Device Clarity

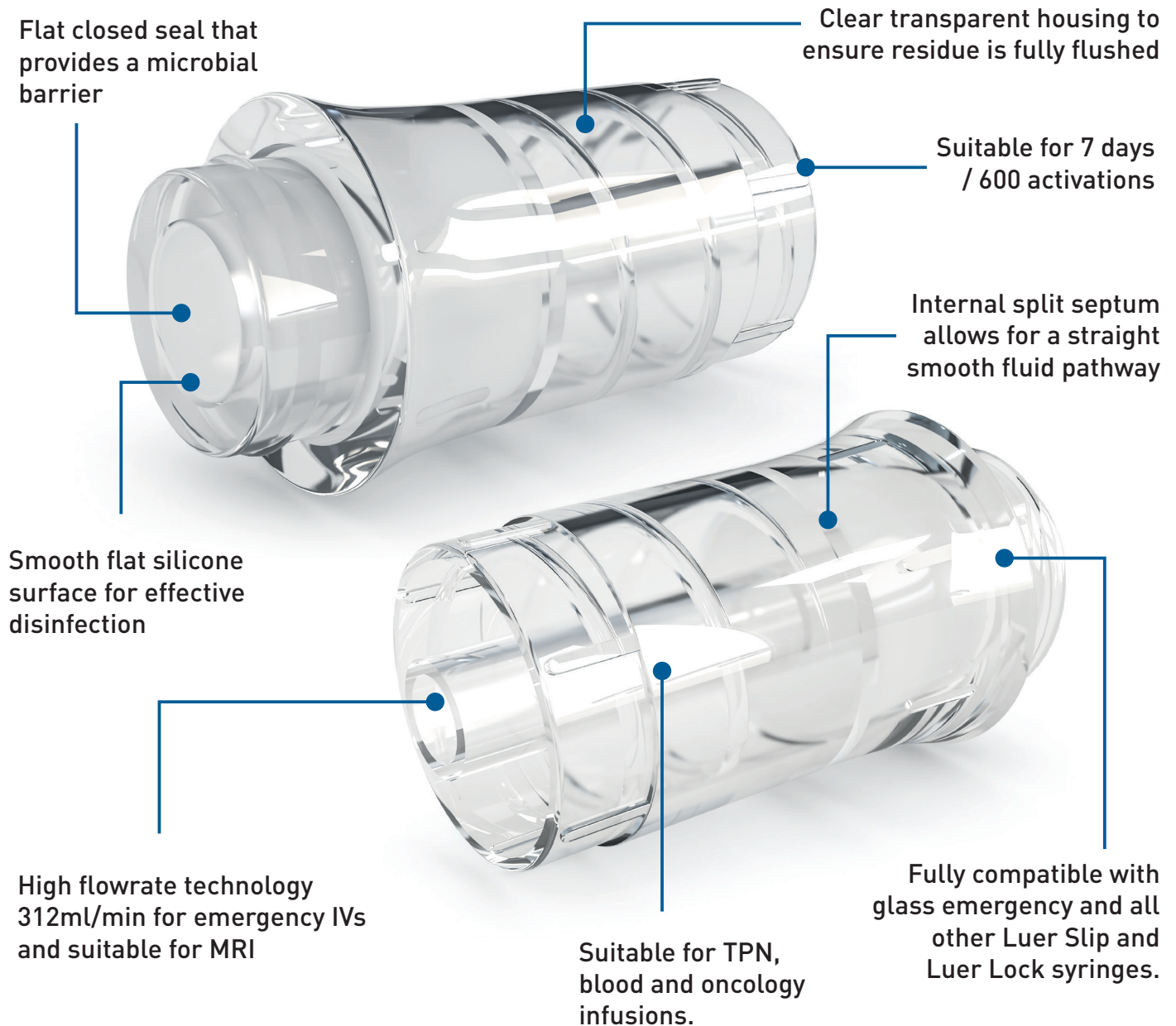
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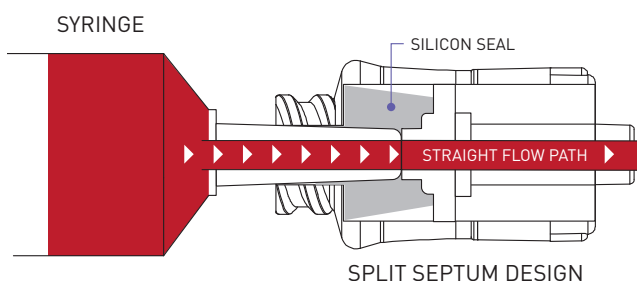
**FlowArt<sup>®</sup>** Needle-free Valves

# FlowArt® Sterile Infusion Therapy Devices

FlowArt® is a needle-free valve that has a **fully transparent clear housing** with an integrated flat silicone seal and internal fluid pathway, that protects the patient and nursing staff from exposures.



## Straight internal transparent fluid pathway for neutral technologies







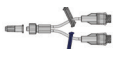


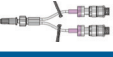

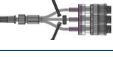







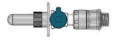



SIZE: 2.4 cm x 1.27 cm dia

WEIGHT: 1.64grams

FLOW RATE: Up to 312 ml/min

CONFORMS TO: ISO 80369-7



| Product Code  | Product Image   | Product Description   | Units per box | Priming Volume (ml) | Length (cm) | Flow Rate (ml/min)                      |
|---|---|---|---------------|---------------------|-------------|---|
| <b>Single Lumen Needle-free Valves</b>  |   |   |               |                     |             |   |
| A1010   |    | FlowArt® Needle-free Valve                                      | 250           | 0.085               | 2.4         | 312                                     |
| AU1010  |    | FlowArt® Single Lumen Needle-free Valve                         | 100           | 0.15                | 8           | 133                                     |
| AT3010  |    | FlowArt® Needle-free Valve with Three Way Stopcock              | 100           | 0.47                | 5.9         | 350                                     |
| ATU3010   |    | FlowArt® Single Lumen Needle-free Valve with Three Way Stopcock | 100           | 0.58                | 16.5        | 113                                     |
| AUWB1010T   |    | FlowArt® Wide Bore Needle-free Valve with T Extension Set       | 100           | 0.71                | 10          | 340                                     |
| <b>Double Lumen Needle-free Valves</b>  |   |   |               |                     |             |   |
| A2010   |    | FlowArt® Double Lumen Needle-free Valve                         | 100           | 0.35                | 10          | 143                                     |
| A2010Y  |    | FlowArt® Double Lumen Needle-free Valve with Y Connector        | 100           | 0.89                | 14          | 330                                     |
| A2010YL15   |    | FlowArt® Double Lumen Needle-free Valve                         | 100           | 0.45                | 15          | 88                                      |
| A2010CV   |    | FlowArt® Double Lumen Needle-free Valve with Check Valve        | 100           | 0.48                | 9.5         | 118                                     |
| <b>Triple Lumen Needle-free Valves</b>  |   |   |               |                     |             |   |
| A3010   |    | FlowArt® Triple Lumen Needle-free Valve                         | 100           | 0.42                | 8.5         | 145                                     |
| A3010CV   |   | FlowArt® Triple Lumen Needle-free Valve with Check Valve        | 100           | 0.64                | 9.5         | 122                                     |
| A3010Y  |  | FlowArt® Multi Lumen Needle-free Valve with Y Connector         | 100           | 1.10                | 16.5        | 230                                     |
| <b>Quadruple Lumen Needle-free Valves</b>                                     |   |   |               |                     |             |   |
| A4010Y  |  | FlowArt® Quadruple Lumen Needle-free Valve with Y Connector     | 50            | 1.15                | 24.5        | 280                                     |
| <b>IV Filters - Photosensitive</b>  |   |   |               |                     |             |   |
| AF6002  |  | FlowArt® Needle-free Valve Set with 0.2 Micron Filter           | 100           | 2.48                | 13          | 33 (filter lumen)<br>210 (valve lumen)  |
| AF6002B   |  | FlowArt® Needle-free Valve Set with 0.2 Micron Baby Filter      | 100           | 0.51                | 12          | 6 (filter lumen)<br>110 (valve lumen)   |
| AF6002ET  |  | FlowArt® Needle-free Valve Set with 0.2 Micron Endotoxin Filter | 100           | 0.51                | 12          | 8 (filter lumen)<br>120 (valve lumen)   |
| AF6012  |  | FlowArt® Needle-free Valve Set with 1.2 Micron Filter           | 100           | 1.50                | 13          | 180 (filter lumen)<br>200 (valve lumen) |
| AF6012B   |  | FlowArt® Needle-free Valve Set with 1.2 Micron Baby Filter      | 100           | 0.50                | 12          | 35 (filter lumen)<br>110 (valve lumen)  |
| <b>IV Bag and Drug Vial Adaptors - for closed fluid transfer and admixing</b> |   |   |               |                     |             |   |
| AV4020  |  | FlowArt® Needle-free Valve for Vial Access, 20mm                | 100           | 0.07                | 3.2         | -                                       |
| AV4013  |  | FlowArt® Needle-free Valve for Vial Access, 13mm                | 200           | 0.07                | 3.2         | -                                       |
| ASM5010   |  | FlowArt® Needle-free Valve with MiniSpike                       | 100           | 0.16                | 5.5         | 111.2                                   |
| AS5010  |  | FlowArt® Needle-free Valve for Bag Access                       | 100           | 0.59                | 9           | 315                                     |
| AS5011  |  | FlowArt® Needle-free Valve for Bag Access with Back Check Valve | 100           | 0.59                | 7.5         | 315                                     |
| ASV5010   |  | FlowArt® Needle-free Valve for Bag Access, Vented               | 100           | 0.55                | 8.5         | 181                                     |
| S5012   |  | FlowArt® Transfer Spike   | 100           | 0.10                | 8           | 212                                     |

ASSET® MEDICAL DESIGN INC. is an ISO 13485:2016 registered company.  
All materials meet ISO 10993 requirements.  
All materials are DEHP-free, PVC-free and latex-free.  
Sterilization Method: ETO

# Meeting the latest international IV recommendations

- Transparent, needless connector that is opaque, for enhanced visualisation during flushing so that all blood and infusates are cleared
- Fully transparent and clear housing with an integrated, flat silicone seal and split septum
- Inter smooth pathway, providing a microbial barrier
- Multiple access-600 over 7 day
- Suitable for Pressure Infusers
- Compatible with CT scan use at 325PSI
- Compatible with TPN, lipid, blood and oncology products
- Compatible with all emergency glass syringes and excellent connectivity with Luer Slip and Luer Lock syringes
- Comforms to ISO 80369-7

## Expert Opinion

“...Observe if the internal mechanisms are simple or complex...”

“...Taking these features into consideration, a recent survey of expert clinicians found that a smooth external surface, no gap around septum seal and a clear housing were among the most important features of needless connectors...”

Jarvis, 2013, [infectioncontrolday.com](http://www.infectioncontrolday.com/hiv-aids/hiv-cure-research-team-refutes-major-recent-results-how-identify-hiv-persistence)  
<http://www.infectioncontrolday.com/hiv-aids/hiv-cure-research-team-refutes-major-recent-results-how-identify-hiv-persistence>

“The ability to visualise the internal surfaces of the needless connector helps the clinician determine if flushing of the needless connector is complete. A transparent needless connector is preferable to one that is opaque.”

Jarvis, 2010

“Straight fluid pathways have been shown to reduce catheter occlusions and CR-BSI in the clinical setting.”

Seminars in Oncology Nursing; Denise Macklin, BSN, RNC  
<https://www.sciencedirect.com/science/article/pii/S0749208110000082>

“...opaque or colored external housing makes it hard to see any residual blood or particulate matter ... clear external housing makes such visualization possible.”

“When needless systems are used, a split septum valve may be preferred over some mechanical valves due to increased risk of infection with the mechanical valves.”

CDC Recommendations (Guidelines for the Prevention of Intravascular Catheter-Related Infections (2011)  
<https://www.cdc.gov/infectioncontrol/guidelines/bsi/background/prevention-strategies.html>

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