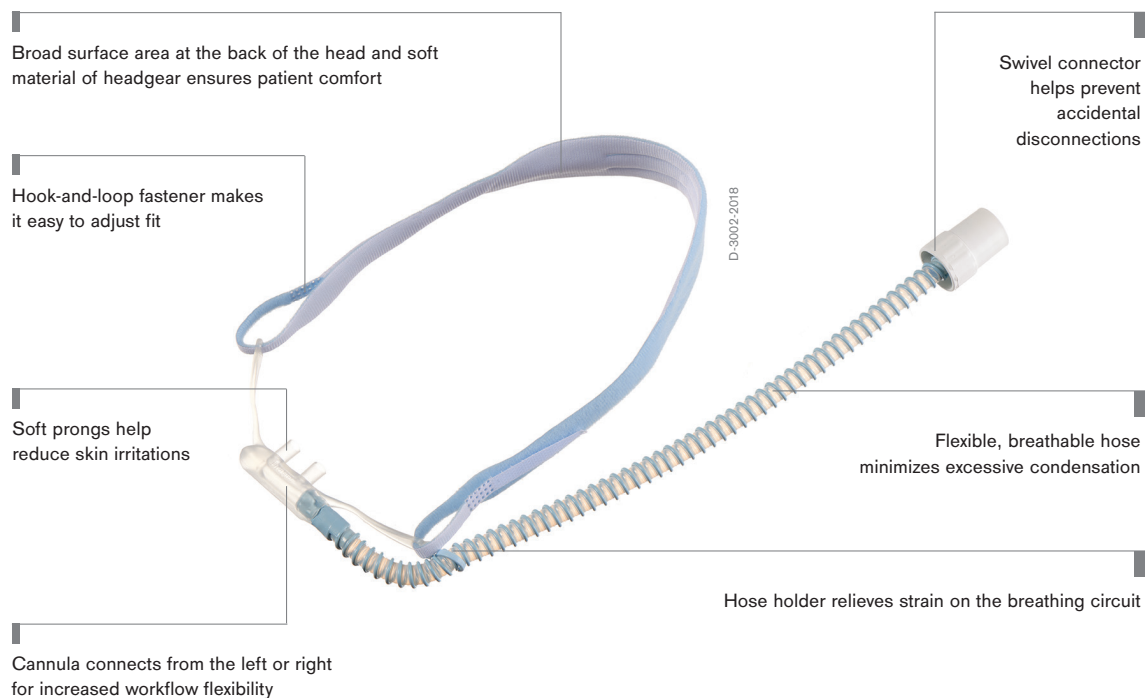


## HI-Flow Star

HI-Flow Star is a nasal oxygen delivery system for adult patients. High-flow therapy can effectively deliver higher flow rates to patients than Venturi-based systems with a greater level of comfort. In addition, studies have shown that high flow oxygen therapy may help patients recover faster and avoid invasive respiratory therapy.<sup>1,3.</sup>



## Benefits

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### Helps improve outcomes and reduce ICU stays

Studies have shown that high-flow oxygen therapy can be successfully used to avoid conventional mask-based non-invasive and invasive ventilation therapy in patients with compromised respiratory function and helps them recover faster following extubation<sup>1</sup>. This translates to improved outcomes and shorter ICU stays<sup>2</sup>.

The benefits of high-flow oxygen extend beyond increasing oxygen saturation levels. Clinical observations show that high-flow oxygen can also improve mucus clearance,<sup>4,11</sup> while increasing the patient's tidal volume and end-expiratory lung volumes.<sup>5,6</sup>

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### Increases patient safety

Dräger designed the HI-Flow Star system to support enhanced patient safety. The newly designed **swivel connector** helps prevent accidental disconnections – ensuring more continuous therapy. Tension on the hose can make patients feel as if they were restrained. An **integrated clip** for the nasal tubing effectively relieves tension on the breathing circuit – keeping patients more comfortable while facilitating mobility and physical therapy.

Heating and humidification of the gas mix improves both patient tolerance and therapeutic efficacy<sup>8,9,10</sup>. While the accumulation of condensate inside the circuit is often an issue with heated and humidified air, the flexible and breathable hose **minimizes internal condensation**.

The HI-Flow Star nasal patient interface is disposable, which reduces the possibility of cross contamination. An optional HI-Flow Star **valve** is a preset pressure relief valve that helps prevent excessive system pressure from becoming too high.

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### Maximizes patient comfort

Studies show that high-flow therapy is more comfortable for patients than NIV<sup>7</sup>. However, patient comfort is a key issue with any interface. To be effective, it must be worn continuously. The HI-Flow Star headgear is constructed of soft, lightweight materials that hold the interface firmly yet comfortably in place. It can be easily adjusted to provide an exact fit.

The nostril is a very sensitive area. The **unique design and soft materials** used in the nasal prongs help to reduce skin lesions and increase patient comfort.

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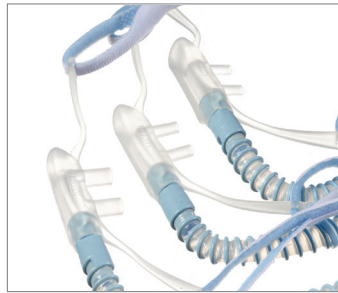
### Streamlines workflow

Thanks to its **symmetrical design**, the nasal cannula can be connected from either the left or the right side of the bed. This saves time and effort for caregivers by eliminating the need to move the bed or equipment to connect the nasal cannula to the patient. The system is also fast to set up and easy to use, helping to reduce workload.

The HI-Flow Star is available in three sizes to fit all adult patients. The system is compatible with the Dräger Evita® Infinity® V500 ventilator. A source of compressed air and oxygen as well as a gas blender are required for operation.



HI-Flow Star Nasal Cannula



Available in size S, M, L



HI-Flow Star Valve



T-piece MX300/MX300i, 22mm

## Technical data

### HI-Flow Star Nasal Cannula

#### Material

Connector	Polypropylene (PP), Thermoplastic polyester elastomer (TPC-ET)		
Hose	Thermoplastic polyester elastomer (TPC-ET)		
Hose holder	Methyl methacrylate-acrylonitrile-butadiene-styrene (MABS)		
Adapter	Thermoplastic polyester elastomer (TPC-ET)		
Prongs	Silicone		
Strap	Polyethersulfone (PES), Polyamide (nylon) (PA)		
Not made with DEHP, PVC, and natural rubber latex			

#### Performance characteristics

	MP05511	MP05512	MP05513
Insp. resistance at 40 L/min	<15 mbar (or cmH <sub>2</sub> O) 1 bar = 1 kPa x 100	<10 mbar (or cmH <sub>2</sub> O)	<5 mbar (or cmH <sub>2</sub> O)
Flow range	<60 L/min when a pressure relief valve is used: <50 L/min	<60 L/min	<60 L/min

#### Pressure relief valve (optional)

Opening pressure at 25 L/min	26 ±2 mbar (or cmH <sub>2</sub> O)
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## Ordering Information

### HI-Flow Star Nasal Cannula

Includes prong, breathable hose with swivel connector, hose holder, headgear

HI-Flow Star Adult S	25 pieces	MP05511
HI-Flow Star Adult M	25 pieces	MP05512
HI-Flow Star Adult L	25 pieces	MP05513

### HI-Flow Star Accessories

HI-Flow Star Valve Kit 1	5 pieces	MP05507
T-piece MX300/MX300i, 22 mm	20 pieces	MP05508

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