



**High Flow DISS**





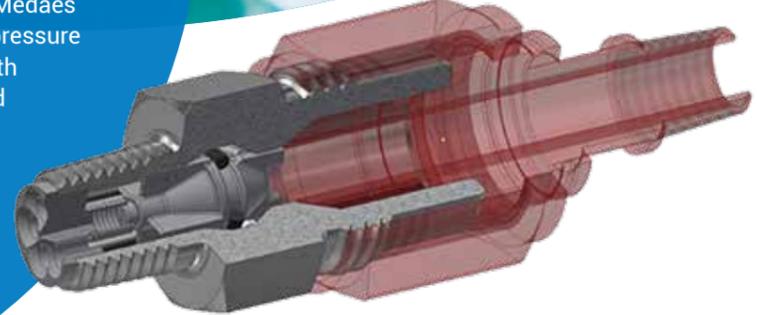
## The DISS check valve



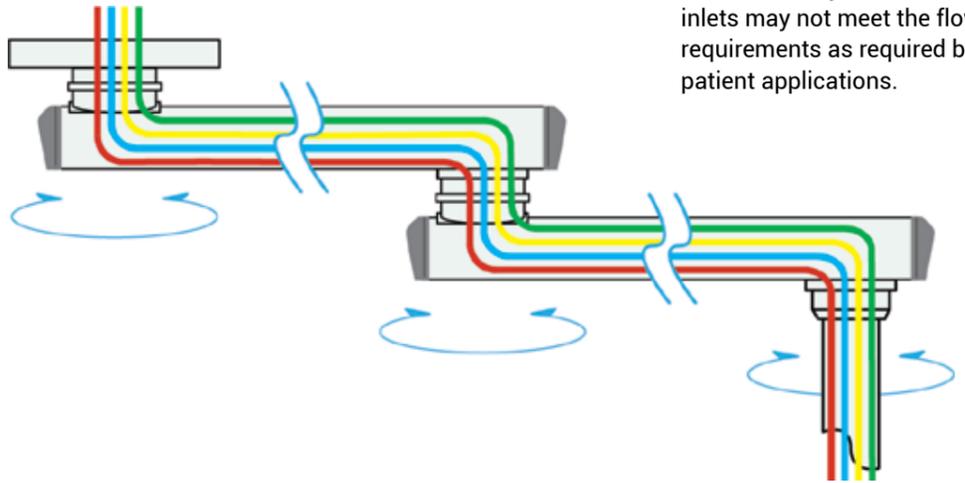
The medical gas DISS check valve is the component that links the gas pipeline to the architectural equipment, connecting flexible hoses to the medical gas outlets/inlets. Within a ceiling service product, medical gas hoses may measure upwards of fifteen feet, winding through multiple rotating "elbows" to the medical gas outlet/inlet. Gas pressure are reduced and flow is restricted within these assemblies, limiting the amount and pressure of delivered medical gases.

## An innovative new design

BeaconMedaes introduces a new, patent-pending DISS Check Valve design. This High Flow DISS maintains all the exterior dimensions and proportions of a standard DISS check valve as dictated by CGA, but with a new concept for the interior components. By altering the internal components and dimensions, BeaconMedaes improves the flow and decreases the pressure drop through the DISS check valve. With this dramatic improvement, ceiling and wall services are better equipped to meet the flow and pressure requirements of the hospital and the NFPA 99 standards.



A traditional DISS check valve is the first restriction of flow and cause of pressure loss. Combined with the losses through the hose assembly, the medical gas outlets/inlets may not meet the flow and pressure requirements as required by NFPA 99 and patient applications.

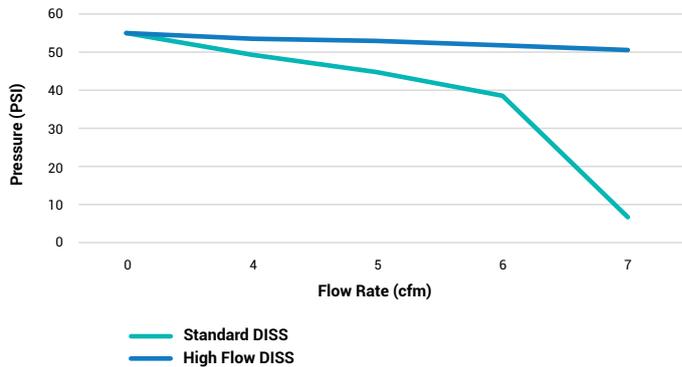


## Medical gas architectural products

The importance of maintaining medical gas pressure and flow to the patient is critically important. Vital to the patients being served, medical gases must flow to at least minimum requirements dictated by code and by patient needs. This is especially important with ceiling services and architectural products for medical gas, such as pendants and booms, located in high-use areas where delivery pressure and flow are crucial.



Oxygen DISS Flow Against Pressure Drop



## Enhanced performance

With an enhanced aerodynamic design, the patent-pending innovative High Flow DISS far outperforms the existing products by minimizing pressure drop with greater flow capacity. At a flow of 4 scfm, the amount of pressure drop is reduced by as much as 74%. With this improvement, more gas can flow to the latch valve while maintaining adequate pressure for medical applications. The higher flow and reduced pressure drop is especially important where additional restrictions put the facility at risk of not delivering the minimum requirements for flow and pressure.

## Delivering assurance

With the High Flow DISS check valves on the inlet tubes of ceiling service rough-ins and hose assemblies within the architectural equipment, BeaconMedaes delivers assurance that the medical gas flows will meet and exceed the minimum requirements of NFPA 99 for the manufactured assemblies. With the flexibility and accessibility in critical care environments that ceiling and wall assemblies offer, by integrating the new High Flow DISS into the equipment, the medical gas is delivered exactly as intended and needed, eliminating the risk of low flow and reduced pressure.



Life is in the details.®

