

# DynaFlow™ HOT RUNNER SYSTEMS

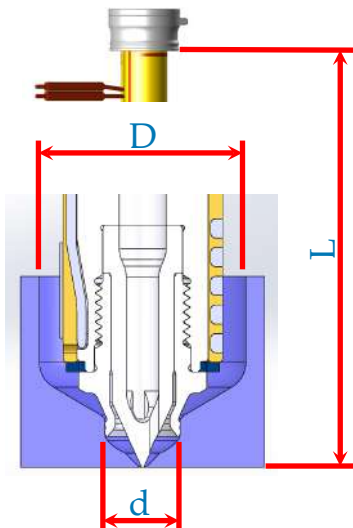
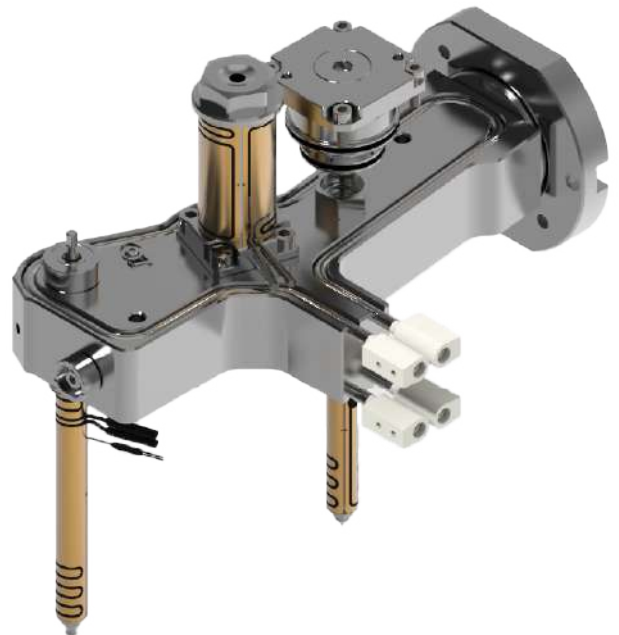
## Smarter Solutions

Embark on a journey of innovation with DynaFlow™ hot runner systems, a collaborative creation in partnership with the esteemed Vasantha Group.

Backed by over 25 years of profound experience with global hot runner brands and 35 years of mastery in high precision manufacturing, DynaFlow™ is all set to redefine your moulding experience with the following standout features.

- ⊗ Customer-centric design for seamless integration
- ⊗ Premium construction ensuring durability
- ⊗ Proudly Made In India

Each DynaFlow™ hot runner system is meticulously crafted through a comprehensive set of engineering and manufacturing process. Prior to cutting steel, each system undergoes an in-depth technical review, including rigorous thermal, structural and flow analysis studies. Our commitment to quality extends to the use of premium grades of raw materials and imported critical components, ensuring not only high performance but also longevity to minimise service intervals.



Nozzle Series	Shot Weight (grams)	Length range 'L' (mm)	Bore dia 'D' (mm)	Nut dia 'd' (mm)
01	<05	70-220	12	5.0-6.5
02	<10	70-220	16	5.0-6.5
04	<20	50-170	22	8.0-10.0
06	<50	70-150	26	8.0-10.5
08	<500	64-234	32	10.0-12.0
10	<3000	58-228	42	14.0-20.0

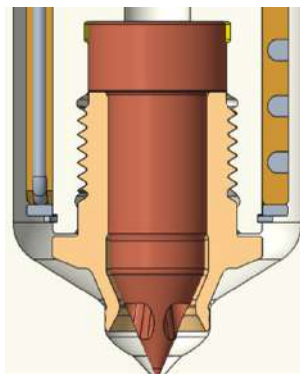
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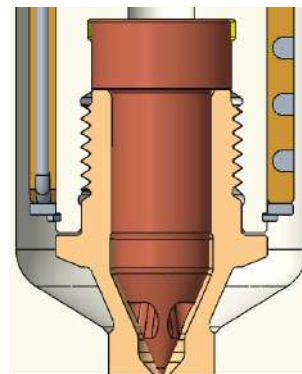
Step into versatility with the DynaFlow™ range, featuring six distinct series of nozzles tailored to diverse market segments such as packaging, personal care, medical, automotive, electrical, and electronics. These high-performance nozzles showcase the revolutionary **OptiHeat** technology, ensuring a thermal profile with a variance of  $\pm 10\%$  from entry to exit, complemented by the convenience of sleeve heaters.

Within each series, there are six gating style options, catering to a wide array of resin types and meeting various gate cosmetic requirements. This includes three thermal gate configurations for tip and sprue gates, along with three types of valve gates. Specialized gating styles are also available for applications involving short-cycle caps & closures, polyvinyl chloride (PVC) and metal injection molding (MIM).

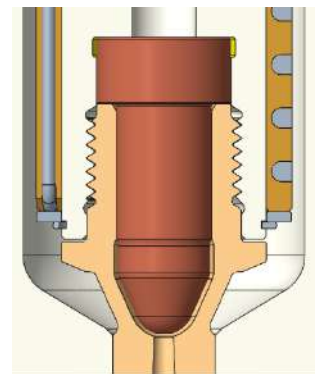
Ensuring seamless integration into your projects, all nozzle and gate cut-outs adhere to industry-standard dimensions with a minimal footprint. Additionally, all gating styles share the same molding elevation across all six series of nozzles. Experience convenience and efficiency in mold design with DynaFlow™ hot runner systems.



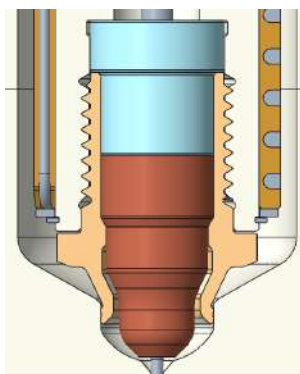
Hot Tip (HT)



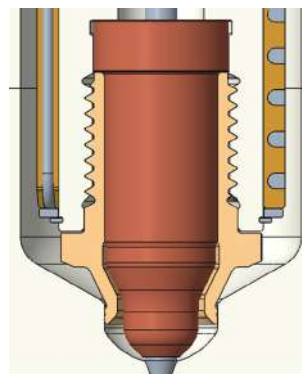
Insert Tip (IT)



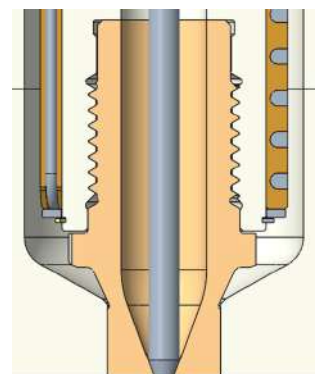
Sprue Gates (SG)



Cyl. Valve (CV)



Taper Valve (TV)



Insert Valve (IV)

## Key Benefits

- ✓ Customer-centric design
- ✓ Superior thermal & flow balance
- ✓ Unmatched corrosion resistance
- ✓ Field-replaceable heaters
- ✓ Serviceable manifold plugs
- ✓ Easy valve pin height adjustment
- ✓ Energy efficient construction
- ✓ Pan-India service network