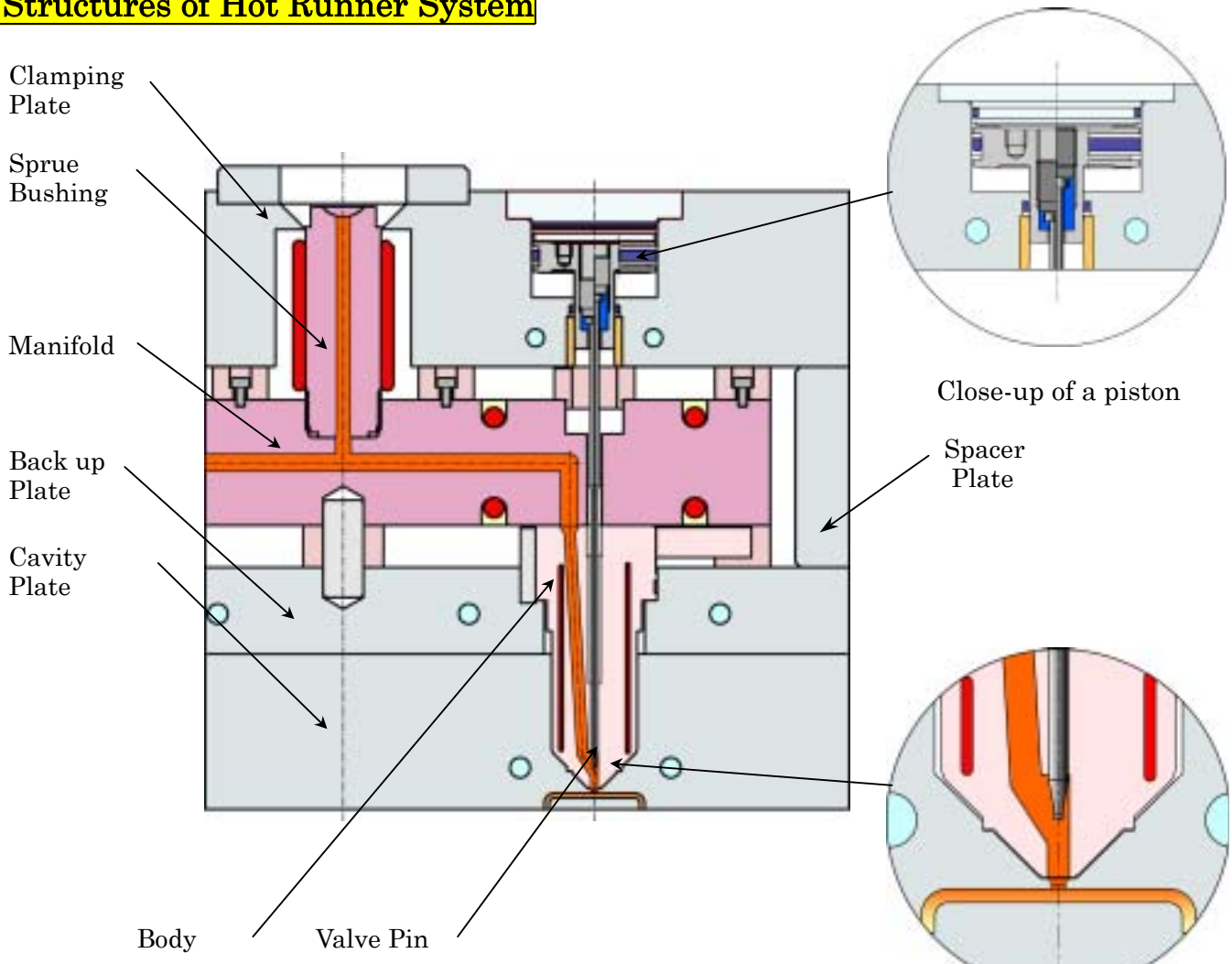
SVY High Performance Valve System

Structures of Hot Runner System



Feature

1. Simple resin flow system
   - Prevents the resin flow to split.
   - Perfect FIFO system. (First in first out)
   - Prevents deterioration and contamination of resins.
   - Great color changeability.
2. Wide Selection
   - Without Tip Heater: Higher cost performance ratio. Suitable for Thin wall and High cycle.
   - With Tip Heater: High Performance. Suitable for Translucent, Thick wall, and Changing color.
3. "Steady Brace" system on the valve pins.
   - Prevents the gate and pin from wear and tear or damage.
4. Easy adjustment
   - Fine adjustment and change of the valve pin can be done on the molding machine.

Specification

1. Body Heater: 200 to 240V (AC)
2. Tip Heater : 11V (AC)
3. Controller : Exclusive SH Controller
   - Exclusive S2000 controller (with tip heater)
   - * Consult us for the compatibility of the other manufacture's controller.
4. Drive Force : Air Pressure System (5kgf/cm)

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Technical Data

Color Changeability Test

Condition: Resins in Hot Runner: 80g (Approx.) Product Weight : 23g / @ (Approx.)

Changing the color of the hot runner when the color change of the cylinder is completed.

From Black to Gray

1st Shot

Most of the resins (black) inside the manifold and probe were ejected.

3rd Shot

Some of the resins remaining in the probe were ejected.

7th Shot

10th Shot

Almost no resins remained. (Changing the color to gray is completed.)

Tip Heater improves the process for changing color.

Performance Report

Resins	Product Weight(g)	Cavity × Gate	Gate Diameter(mm)	Purpose
PP	0.5	8×8	1	MD Shutter
PP	30.0	4×4	2	P-Case
PP	76.0	2×2	2	DVD Parts
PS	20.0	2×4	2	Printer Parts
PS	20.0	4×4	1.2	CD Tray
HiPS	25.0	4×8	2	Toner Parts
GP-PS	10.0	8×8	1	Medical Supply Parts
ABS	40.0	4×4	2	Toner Cartridge for Printer
ABS	300.0	1×2	2	Printer Parts
PC	5.0	8×8	1.2	MO Shell (Changing color)
PC	10.0	2×2	1.2	Car Component
PC	10.0	4×4	1.2	Mini Disk Shell
PC	50.0	2×4	2	Artificial Internal Organ
PC	190.0	2×6	2	Toner Cartridge for Printer
PET	30.0	2×2	2	Container