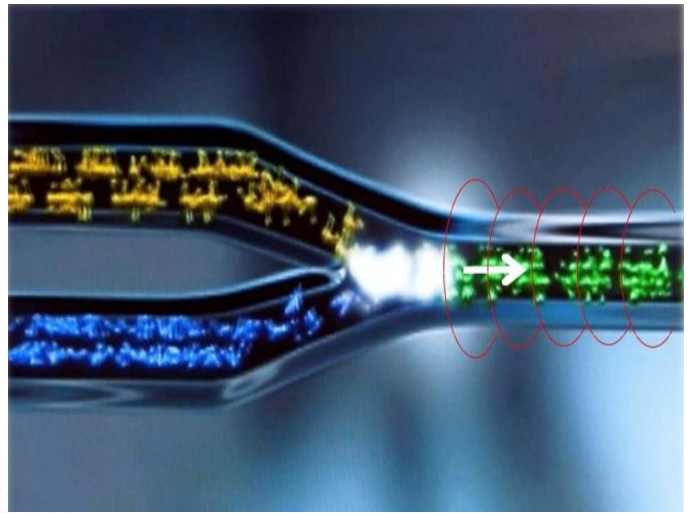


Application story



Metering Chemicals to Downstream Reactors

Location	Shanghai, China (Installation: 2019)	Hydra-Cell model	P200MSWSSB05S & P600MMXTTD05H
Type of application	Metering Chemicals to Downstream Reactors	Flow rate	49 l/hr – 800 l/hr (11 - 176 gph)
Liquid	Methylaniline Sodium Nitrite Solution Sulphuric Acid	Pressure	15 – 16 bar (218 – 232 psi)
Application details	This end user customer serves research and development projects for pharmaceutical and fine chemical companies, helping to achieve safe and efficient industrial production. The process needed accurate metering and dosing; the previous single diaphragm pump created a pulse of liquid on the suction making calibration less accurate; the pulsations caused pipe strain resulting leakage of the highly toxic process liquids. A. fluid: Methylaniline / 47--94LPH / 14-15bar /4--5cps B. fluid: Sodium Nitrite Solution/ 79--158LPH/12—13bar/ 4 cps C. fluid: Sulfuric Acid (23%-24wt%) / 400--800LPH /15-16bar / 2—4cps		
Advantages of Hydra-Cell pump on this application	• 100% leak-free, protecting operators and the environment • Virtually pulse-less flow on the suction making calibration more accurate. • Reliably handles low viscosity liquids.		

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