

servomold®



Compact rotary cooling with mechanical seal

SDG

Fully integrated cooling solution / small and compact design /
temperatures up to 90 °C / pressure up to 5 bar / variable cooling pipe
diameters from 2 to 10 mm possible / different connection options available



Motion
for
creation

Servomold

Experienced partners and innovators supplying the medical & pharma manufacturing industry.

› Over 25 years of experience

Demonstrating a proven track record in the industry.

› Privately owned

Flexibility in decision-making, fast responses to market changes, strong focus on long-term customer relationships.

› Collaborative partnerships

Building long-term relationships with clients and partners for mutual growth and success.

› Full commitment

To efficient, application-oriented solutions.



Bianca and Thomas Meister, Management

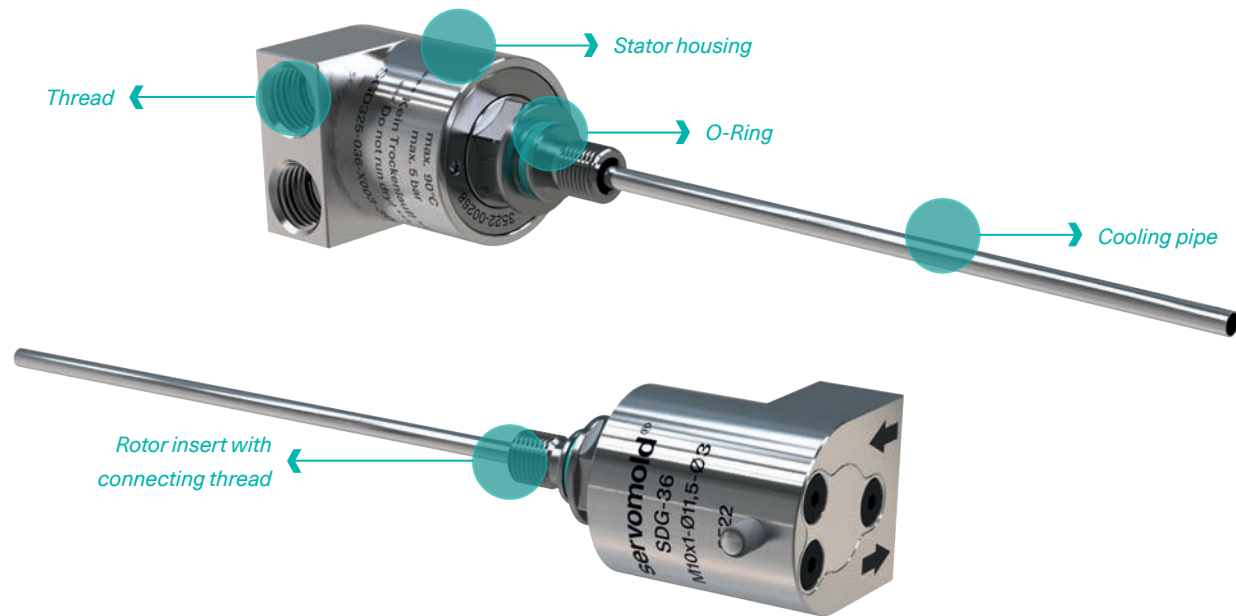
SDG Variants

Thread core cooling – technical details

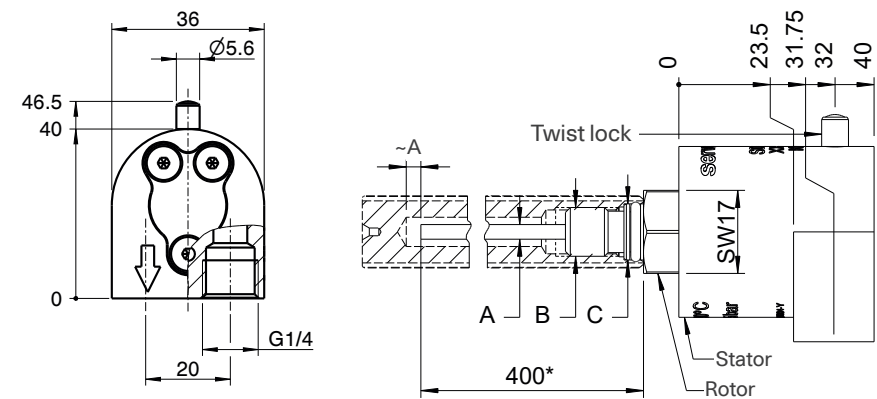
- Standard length, special length on request.
- Select diameter for optimum flow depending on cooling tube diameter.

Type		SDG-36	SDG-36	SDG-36	SDG-36	SDG-45	SDG-45
		M10x1- Ø11,5-A	M10x1- Ø14-A	M16x1- Ø20-A	G1/4"-A	M18x1- Ø22-A	M20x1- Ø24-A
		radial sealing	radial sealing	radial sealing	axial sealing	radial sealing	radial sealing
Connection detail	C	Ø11,5 H7 / g6	Ø14 H7 / g6	Ø20 H7 / g6	-	Ø22 H7 / g6	Ø24 H7 / g6
Standard pipe Ø [mm]	A	Ø3	Ø3 / Ø4	Ø3 / Ø4 / Ø6	Ø3 / Ø4 / Ø6	Ø6 / Ø8	Ø6 / Ø8 / Ø10
Special pipe Ø [mm]	A	> Ø 2 <= Ø 3	> Ø 2 <= Ø 4	> Ø 2 <= Ø 6	> Ø 2 <= Ø 6	> Ø 6 <= Ø 8	> Ø 6 <= Ø 10
Thread rotor	B	M 10x1	M 10x1	M 16x1	G 1/4"	M 18x1	M 20x1
O-Ring Ø rotor		Ø8x2	Ø10,5x2	Ø16x2	Ø11x1,8	Ø18x2	Ø20x2
Use in Servomold system size		35	40/45	50/60	50/60	>=70	>=70

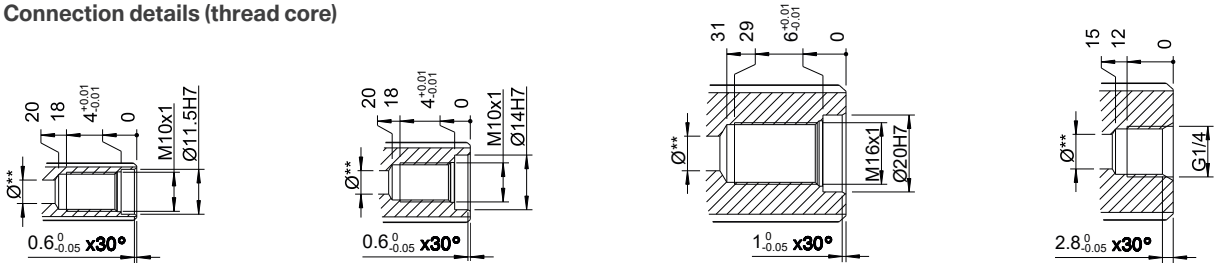
Sample order no:
SDG-36-M16x1-20-6 or SDG-45-M18x1-22-8 (system size-thread-connection detail-pipe diameter)



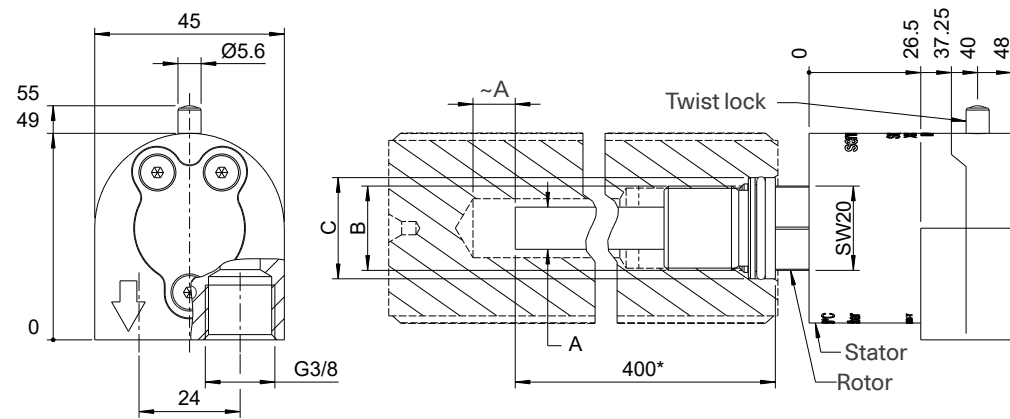
SDG-36



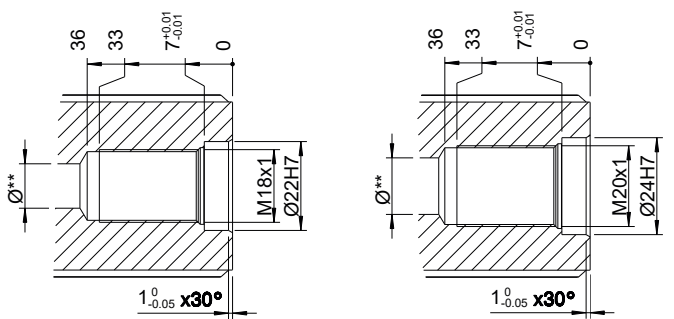
Connection details (thread core)



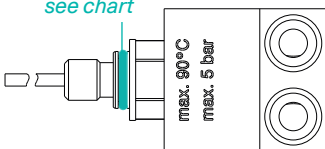
SDG-45



Connection details (thread core)

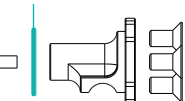


O-Ring rotor:
see chart



O-Ring Stator:

SDG-36=Ø14,5x1, SDG-45=Ø22,5x1

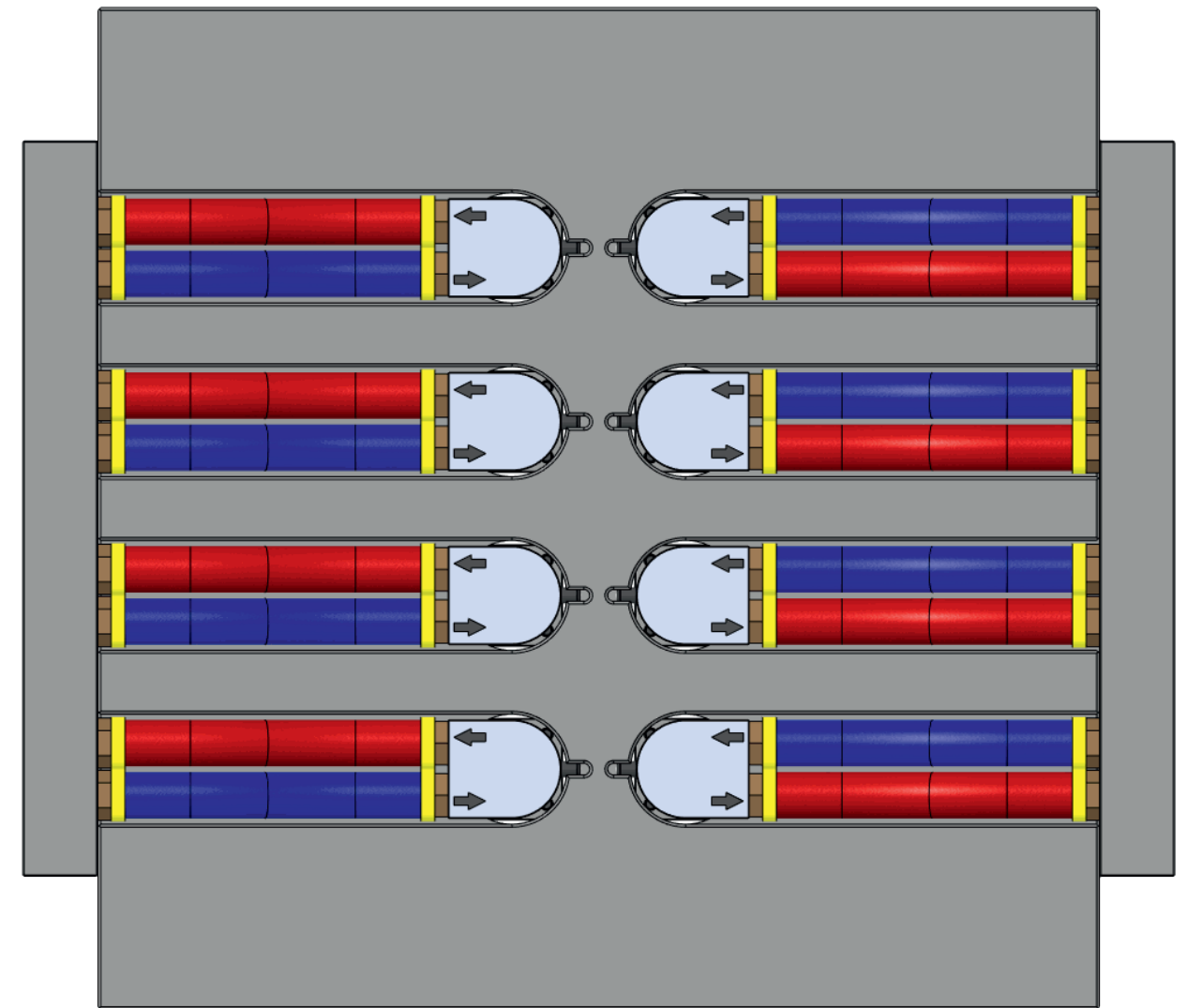
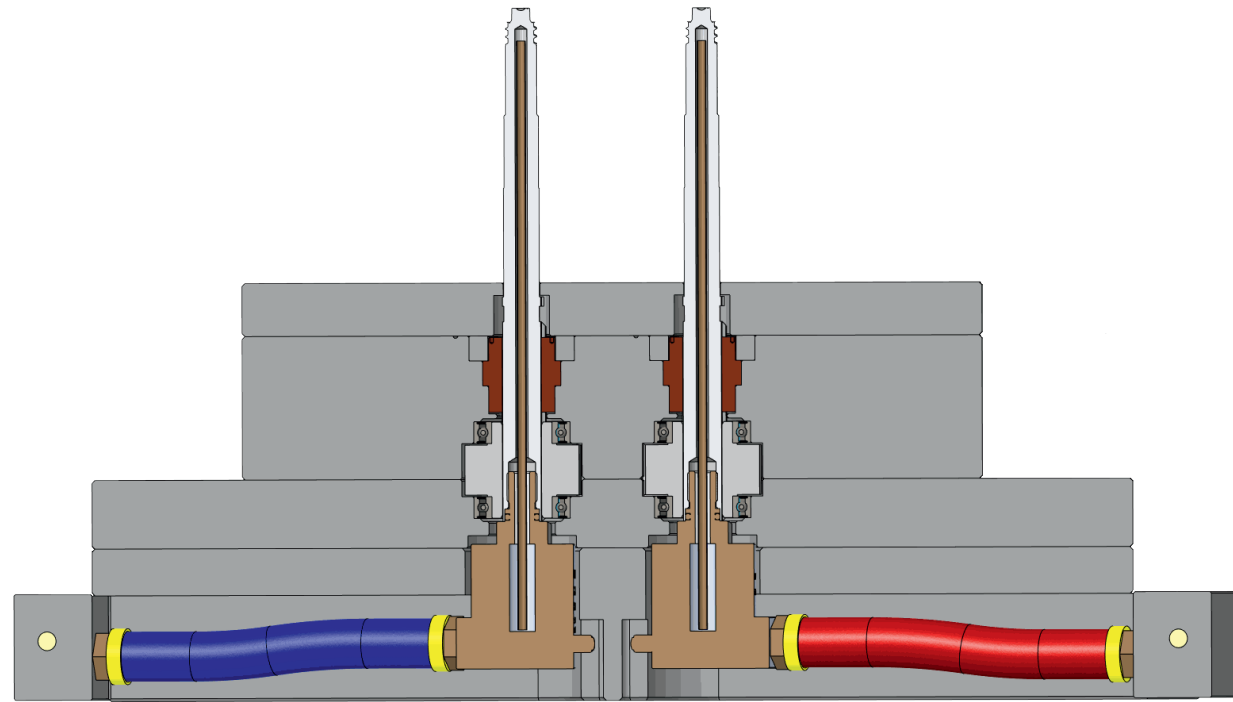


Important

- Do not run dry!
- Please make sure to use clean, filtrated water!
- Check o-ring regularly!
- Rotor tightening torque 10 Nm!
- Use medium-strength threadlocker for rotor!

Environmental conditions	
Coolant	Water
Coolant temperature	max. 90 °C
Pressure	max. 5 bar

Installation example



WILD & KÜPFER

» At our state-of-the-art facility in Schmerikon, we continuously invest in cutting-edge technology and top performance – that's why we were early adopters and have relied on Servomold technology since then. «

*Daniel Wild, CTO
Wild & Küpfer, Schmerikon – Switzerland*



» Our strong focus on injection mould tools for the medical industry requires the use of clean and sustainable technologies, such as those made possible by servo systems. With Servomold as a partner, we are consciously relying on an ownermanaged company with clear focus, strong team spirit and the courage to innovate. This matches the core DNA of IGS GeboJagema. «

*Rob Doorakkers, CIO
IGS GeboJagema – Netherlands*



» We are committed to helping our customers increase their production efficiency and implement more sustainable production processes. That is why we have strategically relied on Servomold system components and control units in more than 25 projects since 2014. «

*ppa. Volker Dreher, Head of Process Technology
Braunform – Bahlingen*



» With Servomold system components, we realize durable, low-maintenance and highly efficient moulds. In addition, the professional support of a highly motivated team for us the main reasons for the long-standing, cooperative partnership. «

*Volker Kiene, Teamlead Project Management Industrialization Moulds
Aptar – Radolfzell*



» The key factors for us are the ease of operation, safety and the individual adaptability of Servomold control units to our processes. With its unique technology and extensive support, Servomold offers the best concept currently available for the use of servo motors in injection mould tools. «

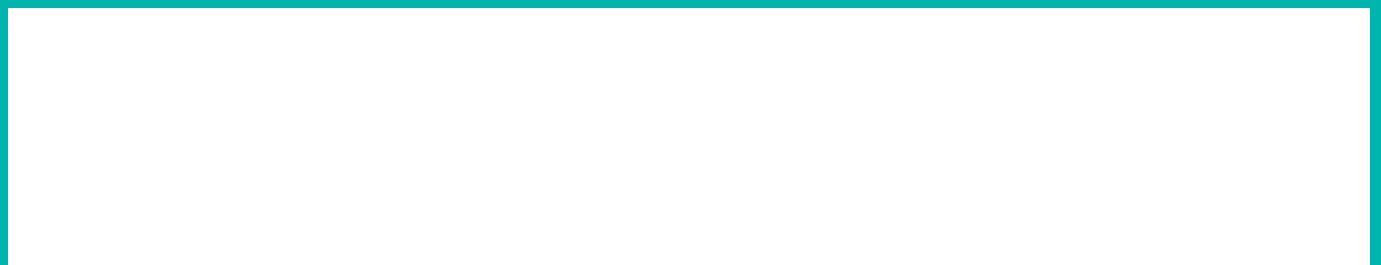
*Thomas Rübsam, Senior Director Technology, Plant Manager, Mihla Competence
Center Injection Molding, Pharmaceuticals and Devices Division
Fresenius Kabi – Mihla*



» For us, Servomold is the de facto standard in the servo automation of injection mould tools. Maximum production reliability and performance, sophisticated technology and outstanding service speak for themselves. «

*Christopher Heyd, Manager Tool Shop
Röchling Medical – Brensbach*

Distribution



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