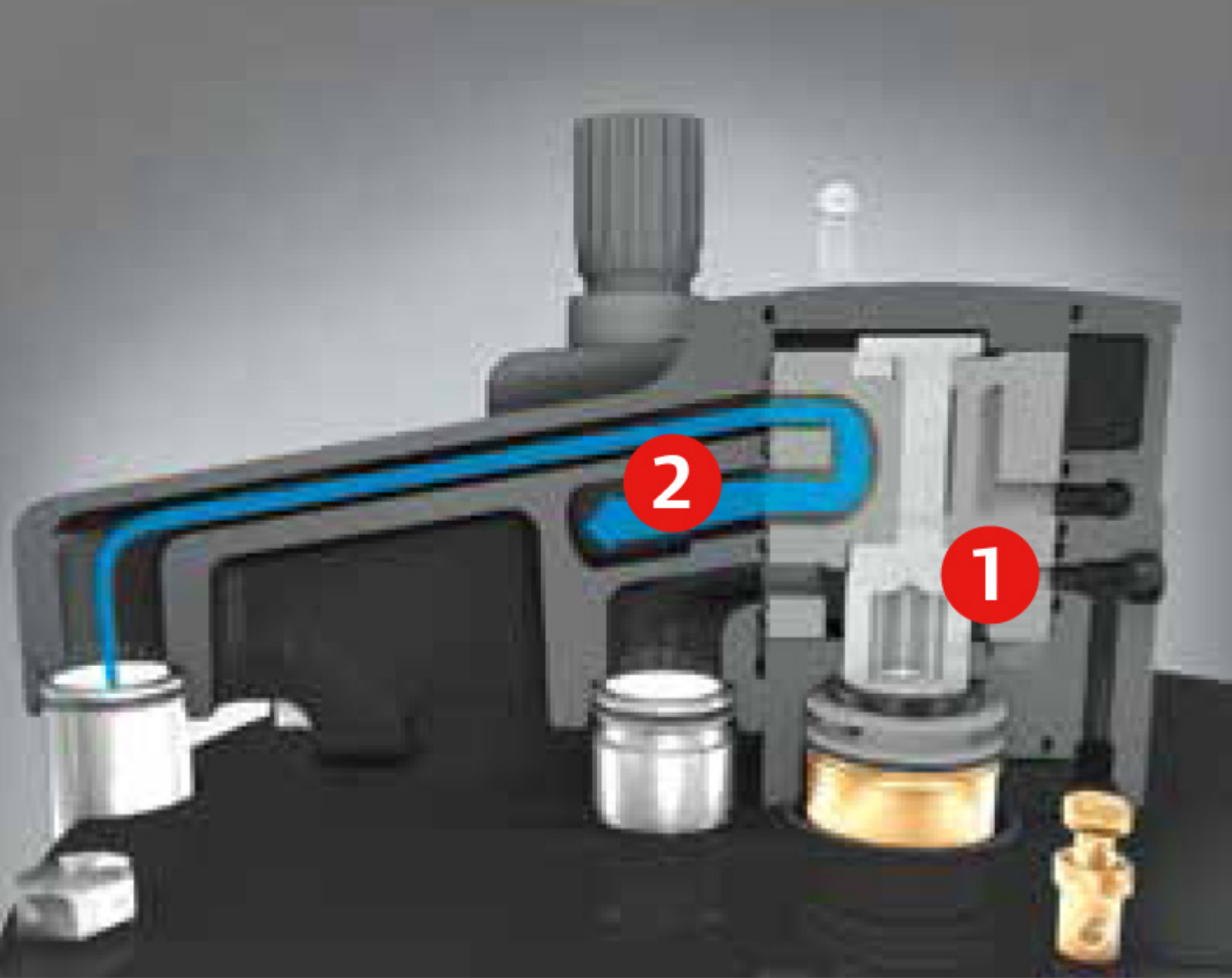


Motor

The best engineered motor on the market with only 5 moving parts – designed for easy access and maintenance.



1 True link valve – eliminates pulse profile. Highly polished ceramic plates and PTFE-filled acetal valve components are directly linked to the drive piston. Changeover time is less than one-tenth of a second.

2 Progressive exhaust eliminates variability in pump performance caused by environmental conditions or icing.

Lubrication-free operation

Integrated control block – includes regulator, gauge and shut-off valve. Simplifies installation in a compact space.

Fiber-wound, conductive composite cylinder

Actuation control ports (patent pending)



ATEX compliant (motors and lower pumps)

Universal lower end pump connection

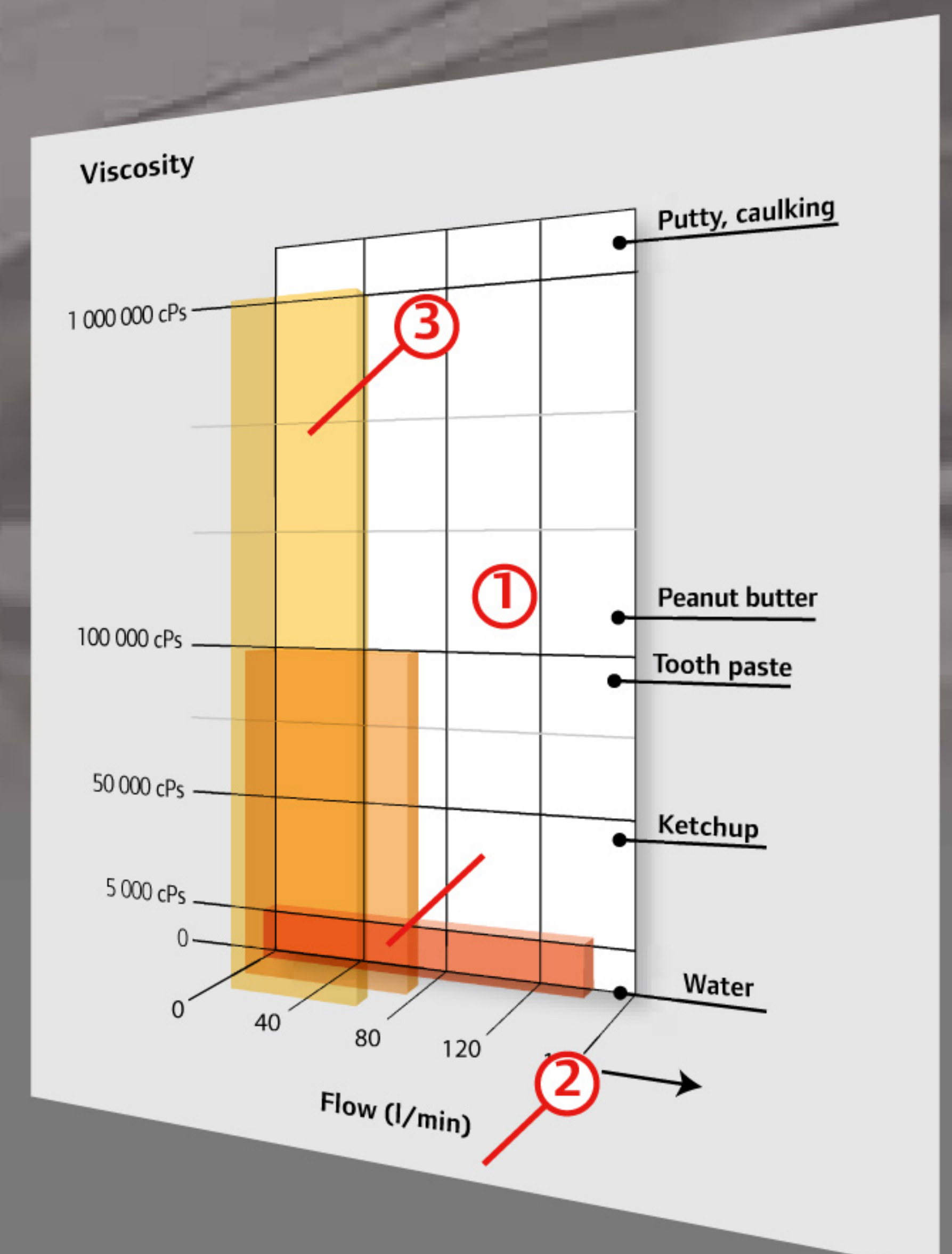
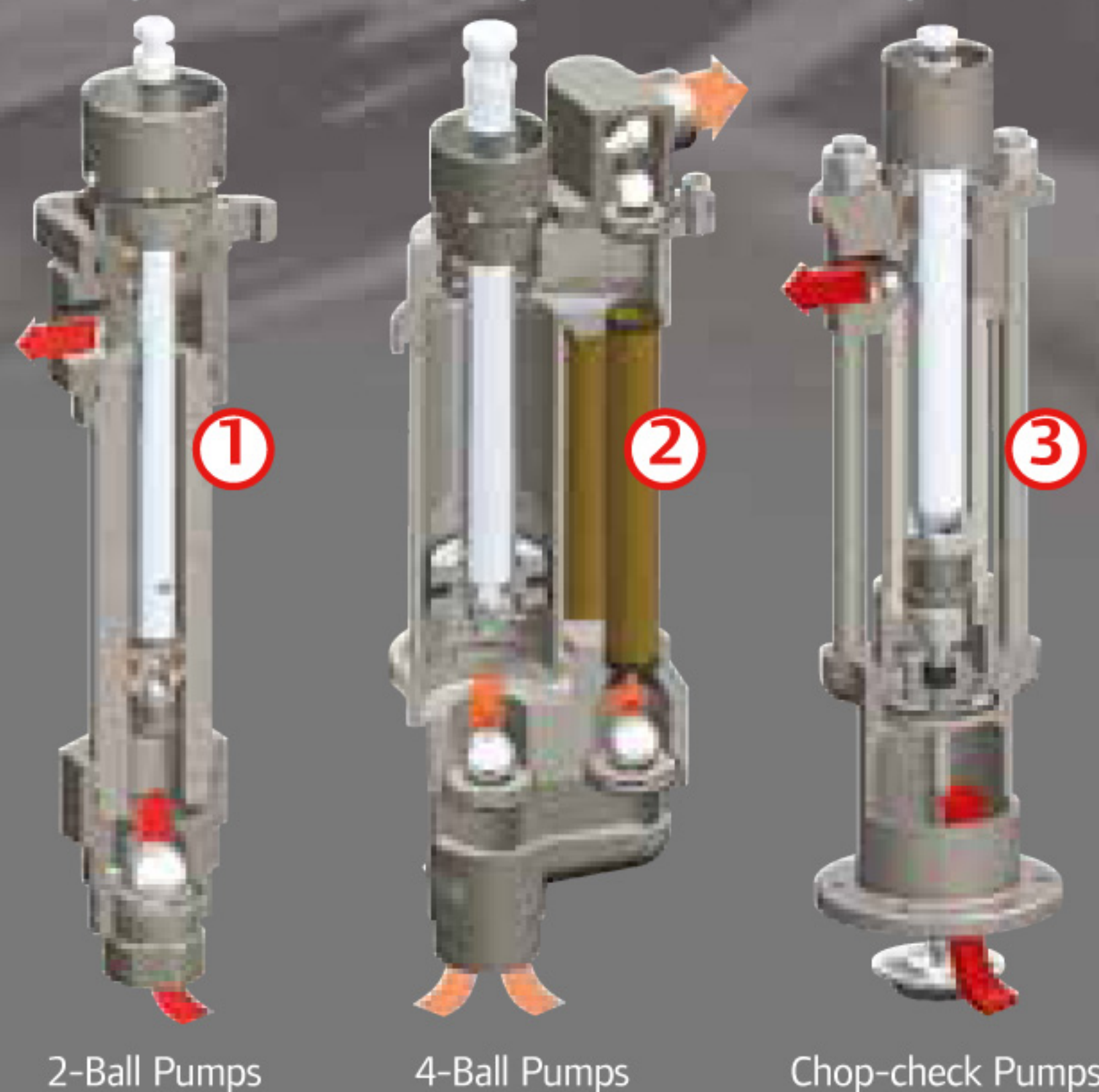
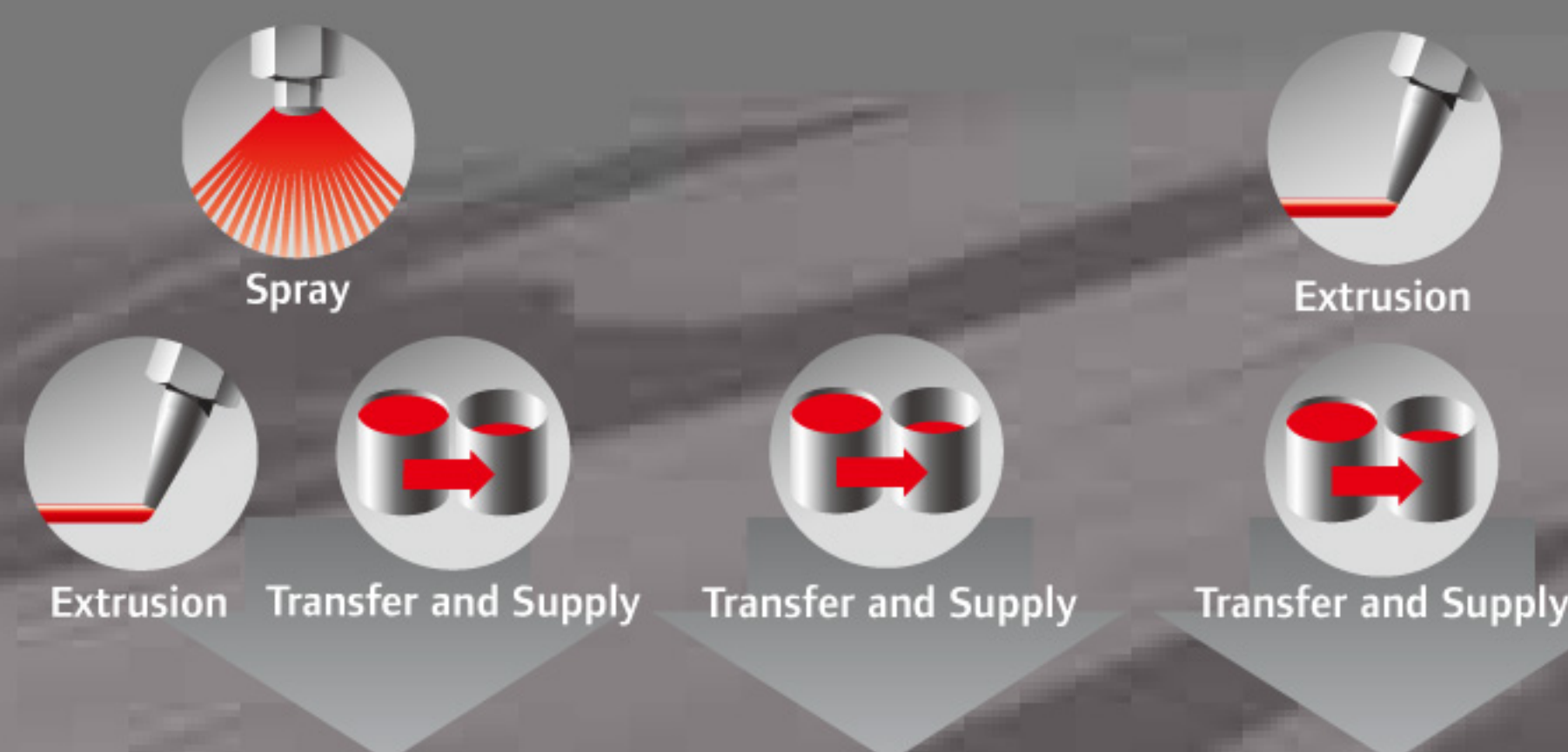


Five motor sizes



Piston pump types

The AFX pumps are available in 2 balls, 4 balls and chop-check versions. The diagram illustrates the recommended working ranges, according to the fluid viscosity and the desired flow.



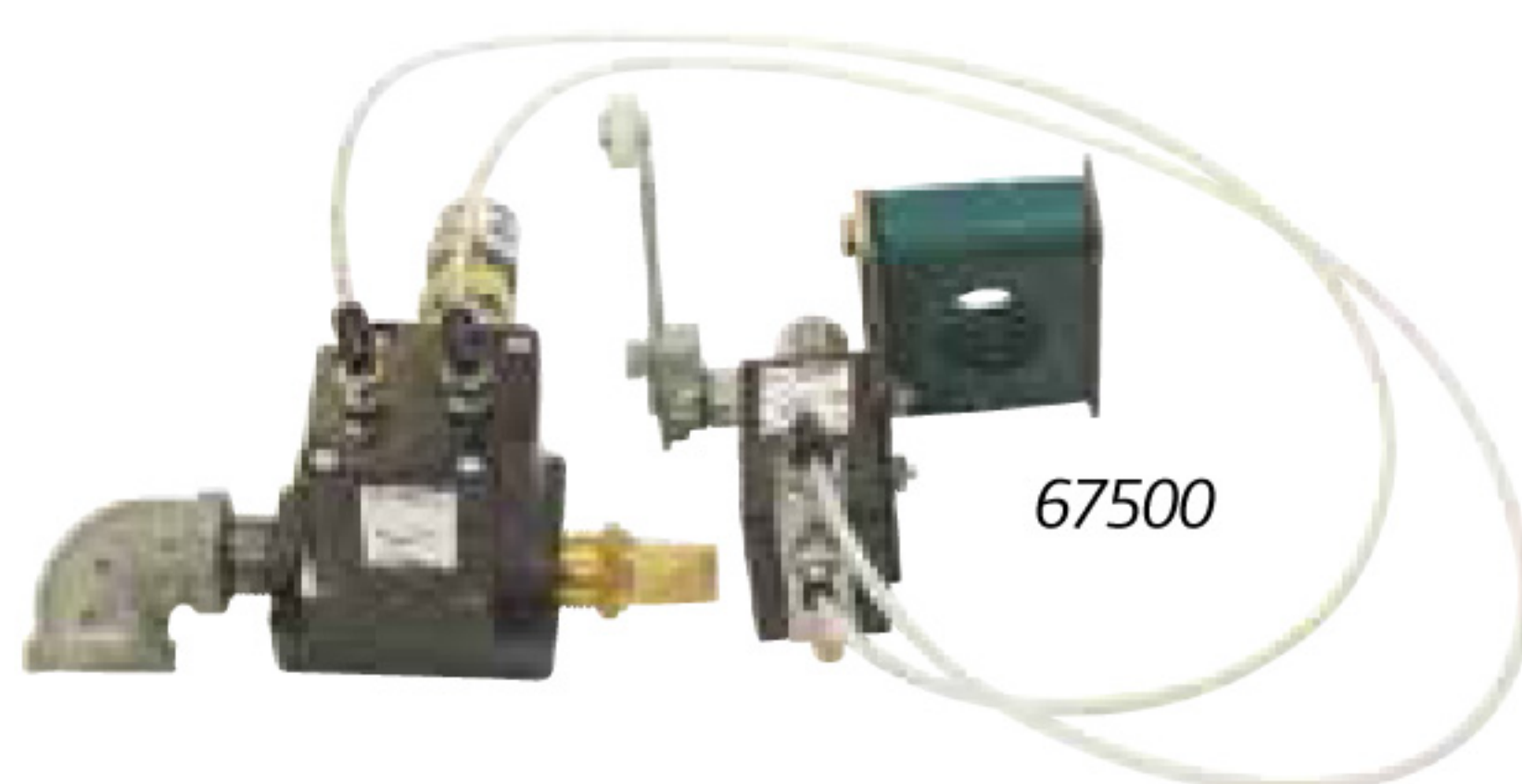
43:1 ratio pump packages



Model	Type	Pump model	Cart / RAM	Follower plate (model, seal and material)			Weight
CL0443S21GN47E31	Cart-mounted pump	AF0443S21GN47-1	67075-B	651840-1	Single lip, polyethylene/urethane	Carbon steel, nickel plated	67.5 kg
CL0443T21GN47S31		AF0443T21GN47-1		651841-1	Single lip, polyethylene/urethane	Stainless steel	
SP0443S21GN47E52	20 L / single-post RAM	AF0443S21GN47	RM051S-C	651840-3	Single lip, nitrile/polyethylene	Carbon steel, nickel plated	68.0 kg
SPD443S21GN47E32		AF0443S21GN47		651840-1	Single lip, nitrile/polyethylene	Carbon steel, nickel plated	
SPD443S21GN47A72		AF0443S21GN47		67347-2	Single tube, EPR	Aluminum	
SP0443T21GN47S32		AF0443T21GN47		651841-1	Single lip, urethane/polyethylene	Stainless steel	
TP0443S21GN47E52	20 L / two-post RAM	AF0443S21GN47	RM052S-C	651840-3	Single lip, nitrile/polyethylene	Carbon steel, nickel plated	101.5 kg
TP0443T21GN47S32		AF0443T21GN47		651841-1	Single lip, urethane/polyethylene	Stainless steel	
TP0443S21GN47E32		AF0443S21GN47		651840-1	Single lip, urethane/polyethylene	Carbon steel, nickel plated	
TPD443S31GN47E32	60L / two-post RAM	AF0443S21GN47	RM072S-C	651840-1	Single lip, nitrile/polyethylene	Carbon steel, nickel plated	107.2 kg
TPD443S31GN47A72		AF0443S21GN47		67347-2	Single tube, EPR	Aluminum	
TPD443S41GN47E32		AF0443S21GN47		651840-1-GL	Single lip, nitrile/polyethylene	Carbon steel, nickel plated	



F35341-400



67500

Pump package accessories

F35341-400	67448	67500	637465	637466
Air filter	Cross over kit	Low-level cut-off kit	20 L single-post RAM repair kit	20 L two-post RAM repair kit

44:1 ratio pump packages



HD0844S51FF47AN2

Model	Type	Pump model	RAM model	Follower plate (model, seal and material)		Weight	
TP0844S21FF47E32	20 L / two-post RAM	AF0844S11FF47	RM052S-C	67342-1	Single lip, polyurethane/urethane	Carbon steel, nickel plated	140.5 kg
TP0844S51FF47AA2	200 L / two-post RAM	AF0844S11FF47	RM52S-C	66516-1	Double lip / polyurethane	Aluminum	195.8 kg
TPD844S51HH47AA2		AF0844S11HH47					
TP0844S51RK47AA2		AF0844S11RK47					
TP0844S51FF47AN2		AF0844S11FF47		67195-2	Double-tube / EPR	Aluminum	
TPD844S51HH47AM2		AF0844S11HH47		67195-1	Double tube / Neoprene		
TP0844S51HH47AC2		AF0844S11HH47		66516	Double lip / nitrile	Aluminum	
TP0844S51RK47AC2		AF0844S11RK47					
TP0844S51RK47TA2		AF0844S11RK47		66516-6	Double lip / polyurethane	Aluminum / PTFE coating	
HD0844S51FF47AN2	200 L / heavy-duty two-post RAM	AF0844S11FF47	RM52H-C	67195-2	Double-tube / EPR	Aluminum	243.9 kg

Pump package accessories

66353-1	67480 (20 L) 67481 (200 L)	67500 (20 L) 67501 (200 L)	637466 (20 L / 2 post RAM) 637472 (200 L / 2 post RAM)
Pump stabilizing bracket	Cross over kit	Low-level cut-off kit	RAM repair kit



Piston pumps accessories

Accessories

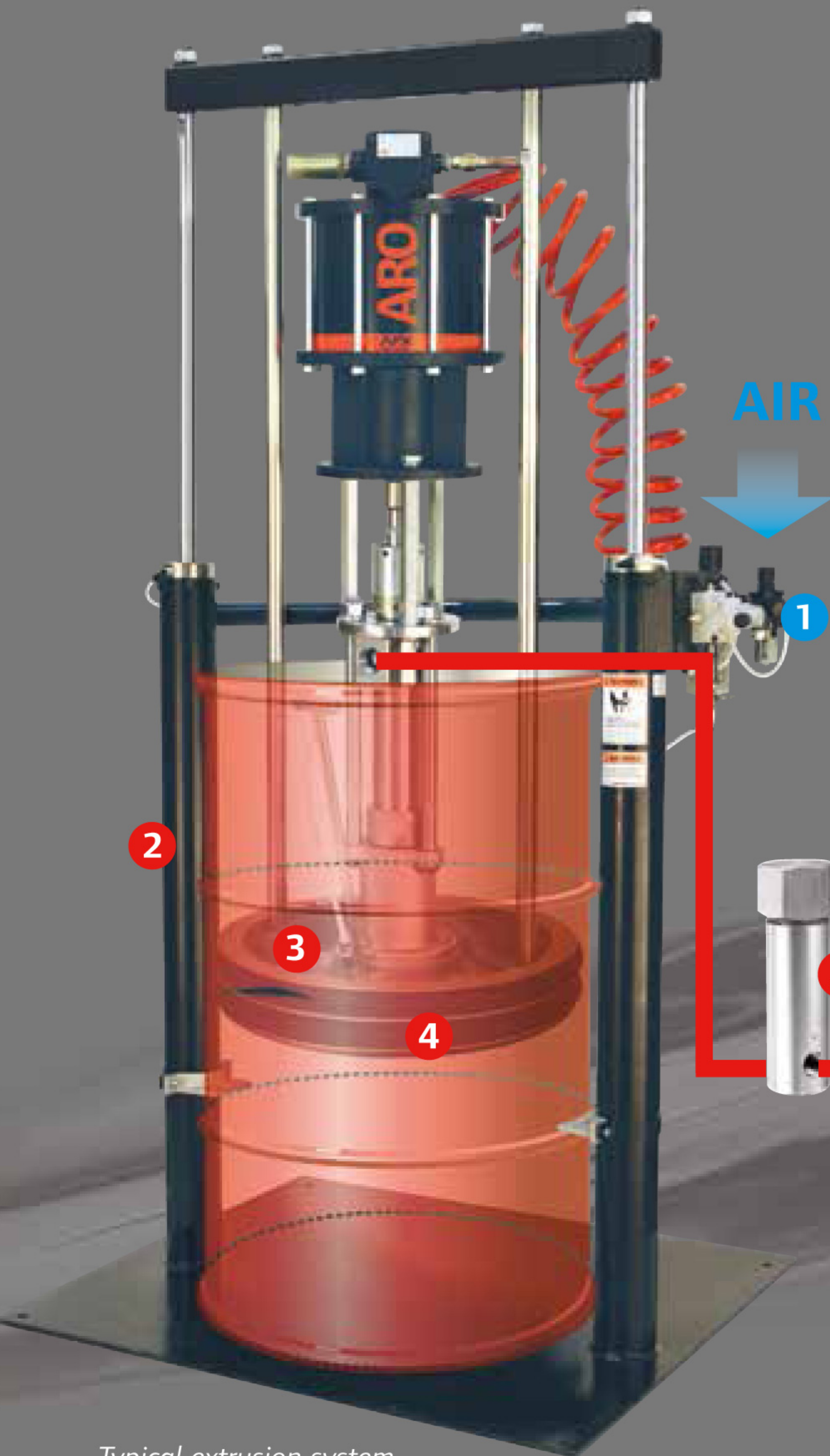
The ARO accessories will improve the efficiency of your extrusion application. They include RAMs, follower plates, pressure regulators, etc. The illustrations presented on this page will enable you to select the equipment which will supplement your pump. Use only genuine ARO accessories and replacement parts to assure compatible pressure rating, longest service life possible and the best results in your operation.

2

RAMs: Function like a lift, but also exert downward force. Ram air cylinders push pump and follower plate into the fluid. Available in single or two-post configurations, for 20 L or 200 L containers. Used on medium to high viscosity fluids.

3

Follower Plates: Plates mount directly to pump inlet. Fluid is assisted into pump. Available for 20 litres pails and 200 litres drums.



Typical extrusion system

1

Air filter and regulator



Typical airless spray system.

4

Follower Seals: Forms seal between follower plate and container to maintain prime. Available in single or double lip models. Use single-lip wiper for viscosities up to 300,000 cP. Double lip wiper provides better wiping action on higher viscosity fluids. Use double-lip wipers for fluids viscosities over 300,000 cP.

5

Material filter

6

Material heater

7

Downstream Fluid Regulators: Used to control fluid pressure at the dispense point. Downstream regulators cut fluid pressure to desired level. Also used to eliminate pulsation to provide even consistent flow of material.

8

Extrusion Guns: Used to dispense fluids with viscosities above 200,000 cPs. Available in manual or automatic configurations. "Snuff-back" guns eliminate drippage at work site.

Floor Mounts: Used when fluid is stored in large, bulk containers. Gravity feeds material into the pump inlet. Locate as close to fluid container as possible.