

JE Series

(Jump Eccentric)



Eccentric disc pumps



Application areas

Respecting shear sensitive products

- **Food industry**
Yoghurts and creams transfer, chocolate and chocolate mousse, doughs, syrups, etc.
- **Cosmetics and pharmaceutical industries**
Ointments and lotions transfer, toothpaste, lipstick, mascara, etc.
- **Chemical industry**
Solvents transfer, polymers, acids, etc.
- **Industrial applications**
Oils, heavy fuel, paints, glues, etc.
- etc.

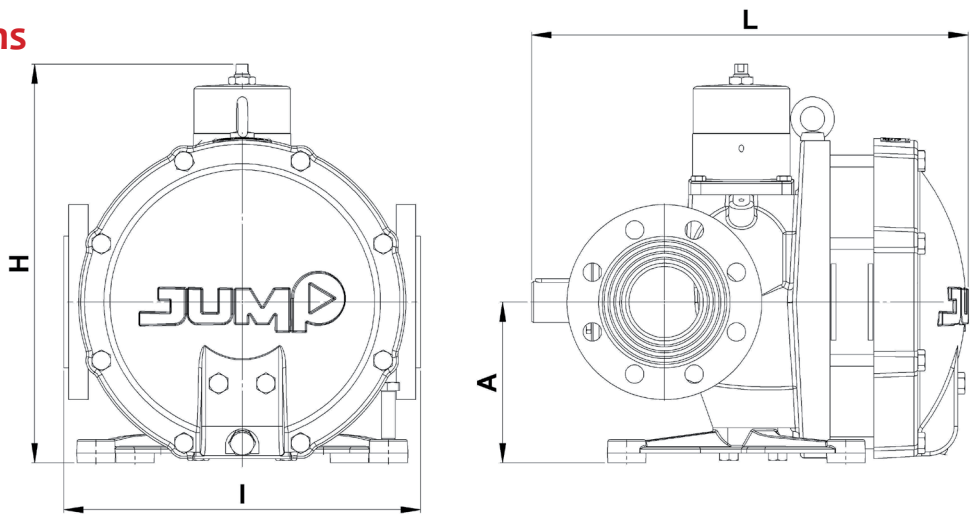
Operation principle

A shaft drives a piston inside a cylinder. The eccentric movement creates two pumping chambers allowing the transfer of the fluid from suction to discharge port.

Characteristics

		Size 1			Size 2			Size 3			Size 4			Size 5			Size 6		
		JE1	JE3	JE5	JE6	JE9	JE12	JE16	JE20	JE24	JE30	JE36	JE42	JE50	JE58	JE66	JE76	JE86	JE96
Pumping technology		Eccentric disc																	
Sealing technology		Mechanical seal DIN 24 960 (EN 12 756)																	
Cylinder capacity	L	0,020	0,036	0,053	0,16	0,24	0,32	0,53	0,65	0,78	1,19	1,38	1,57	2,51	2,82	3,13	4,45	4,99	5,54
Speed (max.)	Rpm	1000	1000	1000	650	650	650	550	550	550	450	450	450	350	350	350	300	300	300
Flowrate (max.)	m3/h	1	3	5	6	9	12	16	20	24	30	36	42	50	58	66	76	86	96
Differential pressure (max.)	bar	10																	
Minimum operating temperature	°C	-10																	
Maximum operating temperature	°C	250																	
Weight	Kg	35	37	39	61	63	65	105	110	115	160	165	170	220	225	230	-	-	-
Dimensions	mm L	283	288	293	361,5	370,5	380,5	438	448	458	513	523	533	583,3	593,3	603,3	-	-	-
	I	240	240	240	300	300	300	366	366	366	390	390	390	450	450	450	-	-	-
	H	305	305	305	368	368	368	426	426	426	470	470	470	564	564	564	-	-	-
	A	110	110	110	140	140	140	165	165	165	185	185	185	225	225	225	-	-	-
ATEX		Yes																	

Dimensions



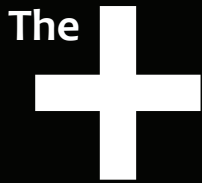
Materials

	JEc «Ductile iron»	JEs «316L Stainless steel»	JEk «Stainless cast iron»
Piston	Ductile iron	Bronze (option JumpInox)	Stainless cast iron
Cylinder	Ductile iron	316L Stainless steel	316L Stainless steel
Body / Front cover / Foot / Bypass	Ductile iron, Steel	316L Stainless steel	Stainless cast iron
Bearings	Carbon (option bronze, ductile iron, PEEK,...)		
Seals	FKM, PTFE (option FEP/FKM, EPDM...)		
Screws	Steel	Stainless steel	Steel

Options

- Fitting flanges ISO PN16 or PN20, barbed, Clamp, SMS, MACON, RJT, CAM-Lock, DIN, threaded...
- Heating jacket.
- With or without bypass.
- Mechanical seal Jump or other brands.

Illustrations



Very low shear rate

Self-priming

Reversibility

Dry run capabilities

Strong suction and
compression power

Reduced maintenance
time thanks to innovative
disassembly system of the
seal from the front without
uncoupling the gear motor
and piping

Mechanical seal DIN 24 960
(EN 12 756)



JE5c and JE36c pumping units on stationnary chassis