Nomenclature
mzr-pumps

mzr-2942-hy-f M2

mzr-7209-hs-v F +SH +G3.71:1*) Ex

Technology

mzr- micro annular gear pump
German: Mikrozahnringpumpe

Rotor size	root diameter	displacement volume
25	2500 µm	1.5 µl
29	2900 µm	3 µl
40	4000 µm	6 µl
46	4600 µm	12 µl
63	6300 µm	24 µl
72	7200 µm	48 µl
115	11500 µm	192 µl

Pump series

0	high performance series
2	low pressure series
4	modular series
5	hermetic inert series
6	magnetic hermetic series

Drive

0	pump head without drive
1	first drive LP series, MH series / DC-motor
2	second drive LP series, MO series
3	third drive LP series / stepper motor
5	motor with integrated controller
6	high-power motor for continuous dosage
7	three-phase AC motor / Ex AC motor
8	high-power motor for cont./discrete dosage
9	Ex DC motor according to ATEX

Material (rotors / pump case)

-cs	ceramics / stainless steel 316L
-cy	ceramics / alloy C
-hy	hard metal / alloy C
-hs	hard metal / stainless steel 316L
-cp	ceramics / PEEK

Static seal material

-v	FPM (e.g. Viton®)
-f	FFPM (e.g. Kalrez®)
-e	EPDM

Fluid connection

S	lateral (side)
F	frontal
S/F	side/frontal
M2	manifold assembly
M2.1	manifold assembly
M4	manifold assembly
M5	manifold assembly

Modules

+S	fluidic seal module
+W	heat insulation module
+H	electrical heating module
+D	double shell heating module
+A	axial bearing support
+P	cup for high system pressure

Gear box module

+Gx:1	gear ratio x:1

Explosion proof

-	non explosion proof
Ex	explosion proof according to ATEX

Legend
LP = Low pressure series
MH = Magnetic hermetic series
MO = Modular series

*) Example only for demonstration gear box not available for ATEX

Note: Simplified nomenclature for all pump series. Not all combinations are possible.