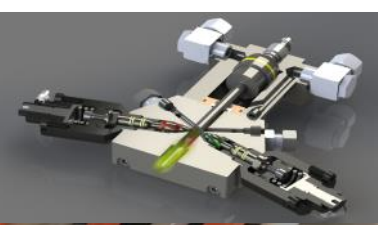


# POFI

ENGINEERING



Expert in Mixing and dosing efficiency



## HIGH PRESSURE PISTON DOSING PUMPS

### FOR HIGH PRESSURE FOAMING LINES

High Pressure Metering Pump, DMP is applied DUT KOREA's innovative technology with perfect compatibility from previous models and stable shipment gives you to help building your polyurethane machine on time.

#### Compatibility

'DMP' gives you perfect compatibility with your previous models.

#### Light weight

Using 'Duralumin' case and Simplification of parts inside of 'DMP' make amazing lightweight to help metering for operators

#### Maintenance

Simplification of 'DMP' gives operators to help easy maintenance and repair.

#### Economical Price

DUT offers special price for 'DMP' pump as previous models.



Model	DMP 5	DMP 12	DMP 28	DMP 55	DMP 107
Displacement Vg max	cm <sup>3</sup> 4.8	11.6	28.1	54.8	107
Flow Qmax	n = 735rpm l/min 3.5	8.3	20	39	76
In Open circuit and at speed	n = 970rpm l/min 4.7	10.9	26	51	100
(At a viscosity of v=36mm <sup>2</sup> /s)	n = 1,450rpm l/min 7.0	16.3	39	77	150
Power at $\Delta p = 220\text{bar}$ and speed	n = 735rpm kW 1.2	3	7.2	14	27.3
	n = 970rpm kW 1.5	3.9	9.3	18.3	35.9
	n = 1,450rpm kW 2.3	5.9	14	27.6	53.9

- ☑ Optimized design for DUT's High Pressure Foaming System
- ☑ Semi-permanent product life by super-precision machine
- ☑ Operating pressure up to 220bar
- ☑ Quite operation
- ☑ Low suction pressure, even when pumping highly viscosity materials
- ☑ Dual control via hand wheel with built-in- precision measuring scale or alternative mechanical rod control, for mounting pneumatic or hydraulic control cylinders
- ☑ To prevent flowing backward, it is controlled by actuator (Not by Hydraulic)
- ☑ High metering accuracy and repeatability
- ☑ Very little pulsation of flow
- ☑ Optimum volumetric available
- ☑ It can be used all parts together with Rexroth A2VK pumps.

#### OPERATING PRESSURE RANGE – INLET SIDE

##### OPEN CIRCUIT:

Pre pressure 1~3bar absolute at section port S

##### CLOSED CIRCUIT:

Sum of combined pressure at A and B  $\leq 250$  bar (315 bar for short period), fit leakage at port T

#### OPERATING PRESSURE RANGE – OUTLET

##### Pressure at port A or B

Nominal pressure ..... Pn = 250bar

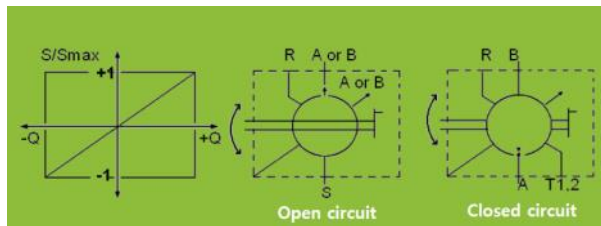
Peak pressure ..... Pmax = 315bar

(Pressure data to DIN 24312)

Pression Nominale Pn = 250 bar

Pic de pression Pn = 315 bar

(Pressure data to DIN 24312)



#### USEFUL INFORMATION

Our offices are open Monday to Friday from 8am to 18pm. Outside these hours thank you for contacting us by e-mail, we will respond quickly.

#### POFI-ENGINEERING SA

Société anonyme au capital de 111 300 €

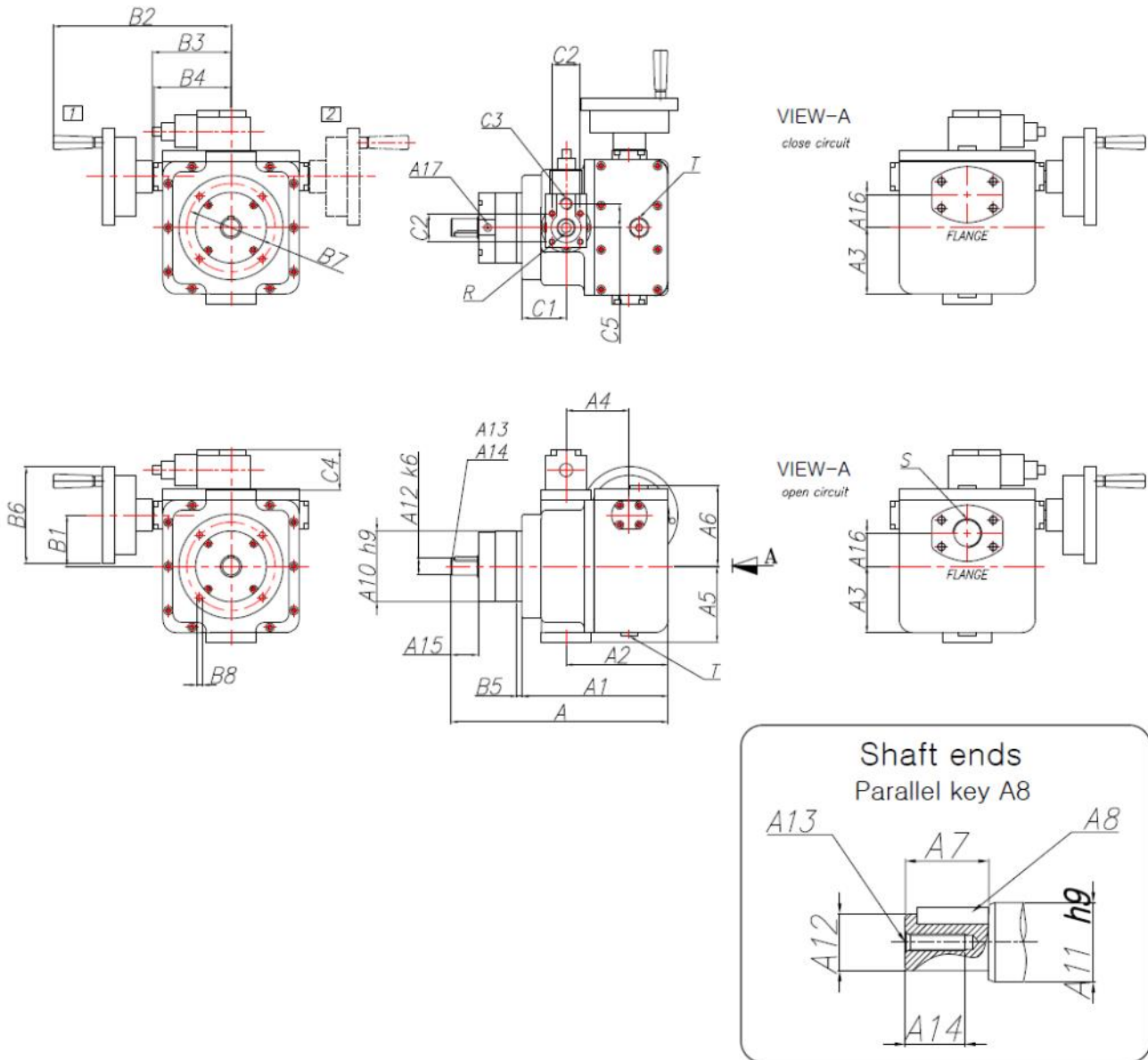
#### CONTACT

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Fax : +352 27 68 73 93

#### LEGAL INFORMATION

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Banque :ING  
IBAN : LU02 0141 0443 4790 0000 / BIC  
CELLULL

# DRAWINGS



DMP	A	A1	A2	A3	A4	A5	A6	A7	A8	A10	A11	A12	A13	A14	A15	A16	A17
5cc	200	128	88	61	55	72	78	29.5	6x6x25L	66	28	20	M6	20	31	31	PT1/8"
12cc	245	166	116	75	72	86	92	29.5	6X6X25L	80	28	20	M6	21	31	38	M10
28cc	307	207	145	90	84	103	107	44.5	8X7X39L	100	34	25	M10	27	46	45	M10
55cc	362	239	181	107	104	122	125	49	8X7X46L	125	40	30	M12	35	50	57	M10
107cc	449	289	218	125	143	140	145	68	12X8X63L	160	50	40	M12	28	68	70	M10

DMP	B1	B2	B3	B4	B5	B6	B7	B8	C1	C2	C3	C4	C5	R	T	S
5cc	44	188	76	73	4.5	100	86	M8	40	26	PF1/4"	46	27	M16 x P1.5	PF1/4"	3/4"
12cc	58	202	90	87	5.5	110	100	M8	50	32	PF1/4"	46	27	M22 x P1.5	PF1/4"	1 1/4"
28cc	71	222	110	107	8	110	125	M10	62	40	PF3/8"	50	35	M27 x P1.5	PF1/4"	1 1/2"
55cc	83	244	132	129	10	150	160	M16	58	48	PF1/2"	66	45	M33 x P2	PF1/4"	2"
107cc	101	267	155	154	12	150	208	M16	71	48	PF1/2"	66	45	M33 x P2	PF1/4"	2 1/2"

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