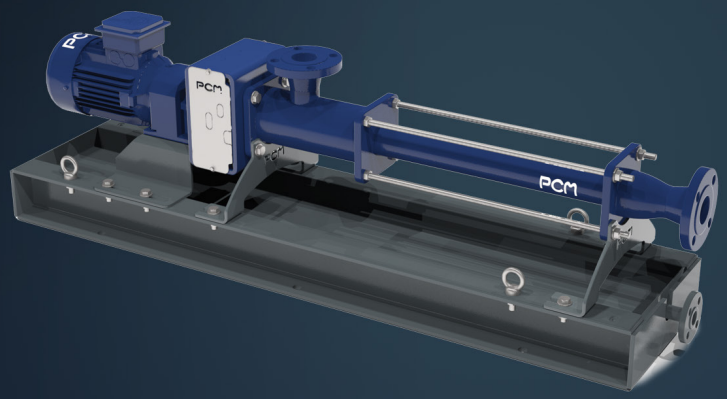
PCM MOINEAU™ A PUMP RANGE

API676 PROGRESSING CAVITY PUMPS



keep it moving

Progressive Cavity Pump is the first choice when facing any of the challenges of **high viscosity, solid handling**, very **low NPSH** or **low shear** applications.

MODEL	Max Flowrate (0 bar DP)	Max Flowrate (Max DP)	Max diff pressure (DP)	Max pump speed	Pump approx dimensions L x W x H	Main Process connections		PCM Slugger (HR) option available
	m³/h	m³/h	bar	rpm	m	Suction	Discharge	
003A24	0.015	0.01	24	600	1.4 x 0.35 x 0.47	1" 150#RF	1" 300#RF	
05A12	0.175	0.1	12	600	1.4 x 0.35 x 0.47	1" 150#RF	1" 150#RF	
1A12	0.45	0.3	12	600	1.45 x 0.35 x 0.47	1" 150#RF	1" 150#RF	
1A36	0.7	0.5	36	600	2.05 x 0.35 x 0.47	2" 150#RF	2" 300#RF	
3A12	1.0	0.65	12	600	1.75 x 0.35 x 0.47	2" 150#RF	2" 150#RF	
6A6	2.4	1.5	6	600	1.68 x 0.35 x 0.47	2" 150#RF	2" 150#RF	
6A12	2.4	1.5	12	600	1.82 x 0.35 x 0.47	2" 150#RF	2" 150#RF	
6A24	2.4	1.5	24	600	2.07 x 0.35 x 0.47	2" 150#RF	2" 300#RF	
8A72	2.0	1.4	72	360	5.0 x 0.65 x 1.05	2" 150#RF	2" 600#RF	
13A6	5.3	3.2	6	600	1.75 x 0.35 x 0.47	2" 150#RF	2" 150#RF	
13A12	5.3	3.2	12	600	1.96 x 0.35 x 0.47	2" 150#RF	2" 150#RF	
13A24	4.7	3.2	24	530	2.5 x 0.35 x 0.6	2" 150#RF	2" 300#RF	
14A72	3.7	2.6	72	360	5.3 x 0.65 x 1.05	4" 150#RF	4" 600#RF	
20A72	6.9	5.2	72	360	6.2 x 0.65 x 1.05	4" 150#RF	4" 600#RF	X
25A6	15	12	6	530	2.0 x 0.35 x 0.6	4" 150#RF	4" 150#RF	
25A12	15	12	12	530	2.3 x 0.35 x 0.6	4" 150#RF	4" 150#RF	
25A24	15	12	24	530	3.25 x 0.47 x 0.76	4" 150#RF	4" 300# RF	X
25A48	10	7.6	48	360	4.45 x 0.55 x 0.83	4" 150# RF	4" 300# RF	X
28A72	11	8.5	72	310	7.3 x 1.0 x 1.1	4" 150#RF	4" 600#RF	X
28A132	11	8.5	132	310	10.2 x 1.0 x 1.1	4" 150#RF	4" 900#RF	X
40A6	27	22.5	6	530	2.5 x 0.47 x 0.76	4" 150#RF	4" 150#RF	
40A12	27	22.5	12	530	2.9 x 0.47 x 0.76	4" 150#RF	4" 150#RF	
40A12CT	27	22.5	12	530	2.5 x 0.47 x 0.76	4" 150#RF	4" 150#RF	
40A24	17.5	13	24	360	3.65 x 0.55 x 0.83	4" 150#RF	4" 300#RF	
40A24CT	17.5	13	24	360	2.9 x 0.55 x 0.83	4" 150#RF	4" 300#RF	
40A48	17.5	13	48	360	4.9 x 0.55 x 0.83	4" 150#RF	4" 300#RF	X
40A48CT	17.5	13	48	360	4.0 x 0.55 x 0.83	4" 150#RF	4" 300#RF	
46A48	24	18	48	310	7.4 x 1.0 x 1.1	4" 150#RF	4" 300#RF	X
46A96	24	18	96	310	10.3 x 1.0 x 1.1	4" 150#RF	4" 600#RF	X
48A72	27	20	72	310	13 x 1.0 x 1.1	4" 150#RF	4" 600#RF	X
50A18	50	43	18	360	3.85 x 0.55 x 0.83	6" 150#RF	6" 150#RF	X
60A6	61	51	6	530	2.75 x 0.47 x 0.76	6" 150#RF	6" 150#RF	
60A12	43	32	12	360	3.3 x 0.55 x 0.83	6" 150#RF	6" 150#RF	
60A12CT	43	32	12	360	2.8 x 0.55 x 0.83	6" 150#RF	6" 150#RF	
60A24	43	32	24	360	4.15 x 0.55 x 0.83	6" 150#RF	6" 300#RF	X
60A24CT	43	32	24	360	3.25 x 0.55 x 0.83	6" 150#RF	6" 300#RF	
60A48	37	31	48	310	8.1 x 1.0 x 1.1	6" 150#RF	6" 300#RF	X
60A48CT	37	31	48	310	6.3 x 1.0 x 1.1	6" 150#RF	6" 300#RF	X
70A60	36	29	60	310	10.3 x 1.0 x 1.1	4" 150#RF	4" 600#RF	X
120A6	98	80	6	360	3.1 x 0.55 x 0.83	8" 150#RF	8" 150#RF	
120A12	98	80	12	360	3.75 x 0.55 x 0.83	8" 150#RF	8" 150#RF	
120A24	84	72	24	310	7.25 x 1.0 x 1.1	8" 150#RF	8" 300#RF	X
120A36	84	72	36	310	8.5 x 1.0 x 1.1	8" 150#RF	8" 300#RF	X

MODEL	Max Flowrate (0 bar DP)	Max Flowrate (Max DP)	Max diff pressure (DP)	Max pump speed	Pump approx dimensions L x W x H	Main Process connections		PCM Slugger (HR) option available
	m³/h	m³/h	bar	rpm	m	Suction	Discharge	
150A12	133	116	12	360	4.5 x 0.55 x 0.85	8" 150#RF	8" 300#RF	
150A24	115	100	24	310	8.3 x 1.0 x 1.1	8" 150#RF	8" 300#RF	X
150A24CT	115	100	24	310	6.6 x 1.0 x 1.1	8" 150#RF	8" 300#RF	X
150A36	115	100	36	310	10.1 x 1.0 x 1.1	8" 150#RF	8" 300#RF	X
240A6	283	235	6	360	3.85 x 0.55 x 0.85	8" 150#RF	8" 150#RF	
240A12	242	195	12	310	7.25 x 1.0 x 1.1	8" 150#RF	8" 150#RF	
240A12CT	196	160	12	310	6.5 x 1.0 x 1.1	8" 150#RF	8" 150#RF	
240A18	180	133	18	230	8.45 x 1.0 x 1.1	8" 150#RF	8" 150#RF	
240A24	156	130	24	230	10.2 x 1.0 x 1.1	8" 150#RF	8" 300#RF	
240A24CT	156	130	24	230	7.7 x 1.0 x 1.1	8" 150#RF	8" 300#RF	
500A6	348	192	6	230	6.8 x 1.0 x 1.1	10"150 RF	10"150 RF	

Notes:
Max flowrate is at Max pump speed and is based on water (1cP viscosity)

Dimensions:
- Dimensions are indicative and including drive. Expect some variation depending on the size and type of drive for your application.
- Height includes API baseplate. Dimension from underside of the baseplate to the top of the motor terminal box
- Main process connections: ANSI/ASME B16.5 standard

WHICH ELASTOMER FOR MY PUMP?

Type	PCM Elasto-mer	Application	Mechanical properties			Chemical resistance (1 = low, 10 = high)				Dynamic		Static	
			Hardness (Shore A)	Mechanical Strength (1 = low, 10 = high)	Abrasion Resistance (sand) (1 = low, 10 = high)	BTEX	H_2S	CO2	Water	Min temp	Max temp	Min temp	Max temp
NBR	164	- Versatile - Good mechanical resistance - Limited aromatics resistance	63	7	6	2	4	5	6	0°C	120°C	-5°C	125°C
HNBR	198	- High temperature - Good H_2S resistance - Good abrasion resistance	78	8	8	4	8	10	7	0°C	150°C	-5°C	150°C
FKM	186	- Good chemical resistance - Good aromatics resistance - Limited abration resistance	72	4	2	10	8	8	10	-5°C	120°C	-15°C	200°C

This table is indicative and highlights the main elastomer properties and capabilities. PCM provides elastomer compatibility testing under controlled lab conditions to ensure the right elastomer for your application; contact our After-sales Service team for more information.

BTEX: Monoaramatic Hydrocarbons (Benzene, Toluene, Ethylbenzene & Xylene)

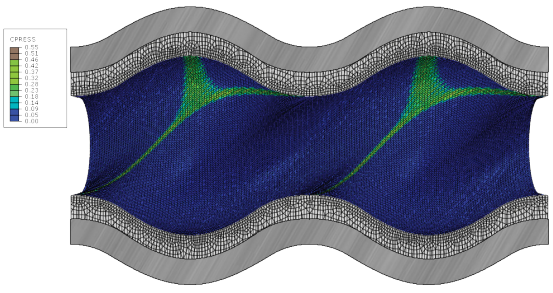
PCM'S PROGRESSING CAVITY PUMP TECHNOLOGY ENHANCEMENTS...

PCM HELIX

Constant Thickness (CT) stator technology

- PCM Helix Constant Thickness (CT) stator technology gives you **more pressure per stage** compared to conventional stators in a progressing cavity pump.
- More pressure per stage means you need less stages for your application, and this translates to a smaller pump; so you get the benefits of progressing cavity pump technology in **more space constrained installations.**
- Compared to conventional stators, PCM Helix also gives you **better, more reliable performance** when your pump is operating across a wider range of **fluid temperatures**.
- Pump models including the **CT suffix incorporate PCM Helix Constant Thickness stator technology.**

3D X-section



PCM Slugger

Hydraulically Regulated (HR) progressing cavity pump

When using a conventional progressing cavity pump for multiphase flow, pressure build-up occurs on the discharge side of the pump shortening run life.

With **PCM Slugger**, **pressure is balanced** across the pump. **Liquid and gas pressure is more uniformly** distributed along the stator. This reduces internal stress and contributes to **better reliability and longer run life.**

Pressure distribution
in high GVF conditions