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HYDRA-CELL KALVOPUMPUT P400

Annostelupumppu

P400MSPSSC07C

Kalvopumppu P400

- Virtaus 3 - 900 l/h
- Paine max. 103 bar
- Muovi- ja metallirakenne
- Tiivisteetön rakenne



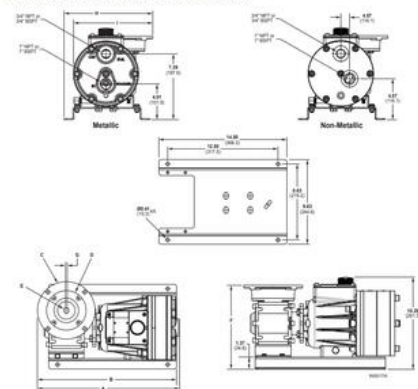
HYDRA-CELL®
SEAL-LESS PUMP TECHNOLOGIES



TUOTEKUVAUS

Hydra-Cell Metering Solutions P500 -pumpeissa käytetään kolmea kalvoa yhdessä pumppupäässä. Tämän ainutlaatuisen rakenteen ansiosta Hydra-Cell tuottaa käytännössä "pulssittoman" virtauksen ilman että, on tarvetta käyttää kalliita pulsaationvaimentimia.

P400 Models: Metallic and Non-Metallic

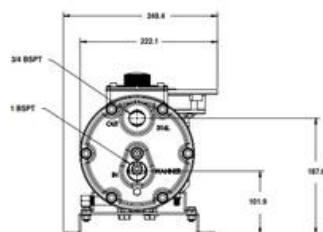
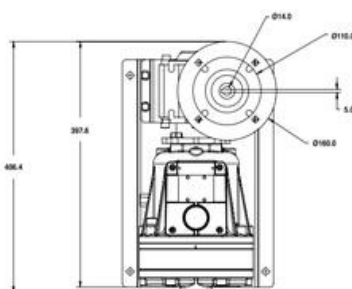


Dimensions in Inches (Millimeters)

Model	A	B	C	D	E	F	G	H	I
NEDEX 150C	16.13 (409.5)	17.25 (438.1)	10.71 (271.8)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)
NEDEX 150C TC	16.13 (409.5)	17.25 (438.1)	10.71 (271.8)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)
NEC 150 B	16.13 (409.5)	17.25 (438.1)	10.71 (271.8)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)
NEC 150 B TC	16.13 (409.5)	17.25 (438.1)	10.71 (271.8)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)
NEC 150 B B	16.13 (409.5)	17.25 (438.1)	10.71 (271.8)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)
NEC 150 B B	16.13 (409.5)	17.25 (438.1)	10.71 (271.8)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)
NEC 150 B B	16.13 (409.5)	17.25 (438.1)	10.71 (271.8)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)
NEC 150 B B	16.13 (409.5)	17.25 (438.1)	10.71 (271.8)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)	4.00 (101.6)

Representative Drawings (mm)

Metallic Pump Heads



Performance - Flow Capacities and Pressure Ratings

For Synchronous Speed, Self-cooled Motors
L/hr Maximum Flow at Designated Pressure

L/hr All Pumps 1 Bar	L/hr All Pumps 1.5 Bar	L/hr All Pumps 2 Bar	L/hr All Pumps 3 Bar	L/hr All Pumps 4 Bar	L/hr All Pumps 5 Bar	L/hr All Pumps 6 Bar	L/hr All Pumps 7 Bar	L/hr All Pumps 8 Bar	L/hr All Pumps 9 Bar	L/hr All Pumps 10 Bar	L/hr All Pumps 11 Bar	L/hr All Pumps 12 Bar	L/hr All Pumps 13 Bar	L/hr All Pumps 14 Bar	L/hr All Pumps 15 Bar	L/hr All Pumps 16 Bar	L/hr All Pumps 17 Bar	L/hr All Pumps 18 Bar	L/hr All Pumps 19 Bar	L/hr All Pumps 20 Bar
30.0	25.0	20.0	15.0	10.0	5.0	2.5	1.0	0.5	0.2	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	0.00005

For 10:1 Turndown, Self-cooled Motors
L/hr Maximum Flow at Designated Pressure

L/hr All Pumps 1 Bar	L/hr All Pumps 1.5 Bar	L/hr All Pumps 2 Bar	L/hr All Pumps 3 Bar	L/hr All Pumps 4 Bar	L/hr All Pumps 5 Bar	L/hr All Pumps 6 Bar	L/hr All Pumps 7 Bar	L/hr All Pumps 8 Bar	L/hr All Pumps 9 Bar	L/hr All Pumps 10 Bar	L/hr All Pumps 11 Bar	L/hr All Pumps 12 Bar	L/hr All Pumps 13 Bar	L/hr All Pumps 14 Bar	L/hr All Pumps 15 Bar	L/hr All Pumps 16 Bar	L/hr All Pumps 17 Bar	L/hr All Pumps 18 Bar	L/hr All Pumps 19 Bar	L/hr All Pumps 20 Bar
30.0	25.0	20.0	15.0	10.0	5.0	2.5	1.0	0.5	0.2	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	0.00005

Notes

- The motor kW and based on ambient temperature conditions up to 40°C. For ambient temperatures above 40°C, please contact Wanner International.
- Capacity data is shown for pumps with maximum diaphragm. Contact factory for performance characteristics of pumps with PHS diaphragms.
- Contact factory for performance specifications.
- Based on using the motor.
- Maximum continuous motor speed is rated up to full pressure.
- For intermittent or reduced pressure duties, please contact Wanner International.

Mechanical Adjustment Controller for ATEX/Explosive Areas

All Min/Max flow rates in litres/hour

2 bar	1.5 bar	1 bar	0.5 bar	0.2 bar	0.1 bar	0.05 bar	0.02 bar	0.01 bar	0.005 bar	0.002 bar	0.001 bar	0.0005 bar	0.0002 bar	0.0001 bar	0.00005 bar	0.00002 bar	0.00001 bar	0.000005 bar	0.000002 bar	0.000001 bar
30.0	25.0	20.0	15.0	10.0	5.0	2.5	1.0	0.5	0.2	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	0.00005

P400 Specifications (Cont'd)

Performance Maximum Flow at Designated Pressure - Imperial *

All Pumps (gph)		Metric Pump Heads Only (m³/h)		Pump	Gear	Motor
150 psi	200 psi	250 psi	300 psi	rpm	Ratio	rpm
8,400 (302)	5,100 (192)	8,400 (302)	5,100 (192)	30	40:1	
11,400 (426)	7,200 (270)	11,400 (426)	7,200 (270)	30	40:1	
14,400 (540)	9,300 (345)	14,400 (540)	9,300 (345)	40	40:1	
17,400 (650)	11,400 (426)	17,400 (650)	11,400 (426)	40	40:1	
20,400 (770)	13,500 (500)	20,400 (770)	13,500 (500)	50	40:1	
23,400 (890)	15,600 (570)	23,400 (890)	15,600 (570)	50	40:1	
26,400 (1,010)	17,700 (640)	26,400 (1,010)	17,700 (640)	60	40:1	
29,400 (1,130)	19,800 (720)	29,400 (1,130)	19,800 (720)	60	40:1	
32,400 (1,250)	21,900 (800)	32,400 (1,250)	21,900 (800)	70	40:1	
35,400 (1,370)	24,000 (880)	35,400 (1,370)	24,000 (880)	70	40:1	
38,400 (1,490)	26,100 (960)	38,400 (1,490)	26,100 (960)	80	40:1	
41,400 (1,610)	28,200 (1,040)	41,400 (1,610)	28,200 (1,040)	80	40:1	
44,400 (1,730)	30,300 (1,120)	44,400 (1,730)	30,300 (1,120)	90	40:1	
47,400 (1,850)	32,400 (1,200)	47,400 (1,850)	32,400 (1,200)	90	40:1	
50,400 (1,970)	34,500 (1,280)	50,400 (1,970)	34,500 (1,280)	100	40:1	
53,400 (2,090)	36,600 (1,360)	53,400 (2,090)	36,600 (1,360)	100	40:1	
56,400 (2,210)	38,700 (1,440)	56,400 (2,210)	38,700 (1,440)	110	40:1	
59,400 (2,330)	40,800 (1,520)	59,400 (2,330)	40,800 (1,520)	110	40:1	
62,400 (2,450)	42,900 (1,600)	62,400 (2,450)	42,900 (1,600)	120	40:1	
65,400 (2,570)	45,000 (1,680)	65,400 (2,570)	45,000 (1,680)	120	40:1	
68,400 (2,690)	47,100 (1,760)	68,400 (2,690)	47,100 (1,760)	130	40:1	
71,400 (2,810)	49,200 (1,840)	71,400 (2,810)	49,200 (1,840)	130	40:1	
74,400 (2,930)	51,300 (1,920)	74,400 (2,930)	51,300 (1,920)	140	40:1	
77,400 (3,050)	53,400 (2,000)	77,400 (3,050)	53,400 (2,000)	140	40:1	
80,400 (3,170)	55,500 (2,080)	80,400 (3,170)	55,500 (2,080)	150	40:1	
83,400 (3,290)	57,600 (2,160)	83,400 (3,290)	57,600 (2,160)	150	40:1	
86,400 (3,410)	59,700 (2,240)	86,400 (3,410)	59,700 (2,240)	160	40:1	
89,400 (3,530)	61,800 (2,320)	89,400 (3,530)	61,800 (2,320)	160	40:1	
92,400 (3,650)	63,900 (2,400)	92,400 (3,650)	63,900 (2,400)	170	40:1	
95,400 (3,770)	66,000 (2,480)	95,400 (3,770)	66,000 (2,480)	170	40:1	
98,400 (3,890)	68,100 (2,560)	98,400 (3,890)	68,100 (2,560)	180	40:1	
101,400 (4,010)	70,200 (2,640)	101,400 (4,010)	70,200 (2,640)	180	40:1	
104,400 (4,130)	72,300 (2,720)	104,400 (4,130)	72,300 (2,720)	190	40:1	
107,400 (4,250)	74,400 (2,800)	107,400 (4,250)	74,400 (2,800)	190	40:1	
110,400 (4,370)	76,500 (2,880)	110,400 (4,370)	76,500 (2,880)	200	40:1	
113,400 (4,490)	78,600 (2,960)	113,400 (4,490)	78,600 (2,960)	200	40:1	
116,400 (4,610)	80,700 (3,040)	116,400 (4,610)	80,700 (3,040)	210	40:1	
119,400 (4,730)	82,800 (3,120)	119,400 (4,730)	82,800 (3,120)	210	40:1	
122,400 (4,850)	84,900 (3,200)	122,400 (4,850)	84,900 (3,200)	220	40:1	
125,400 (4,970)	87,000 (3,280)	125,400 (4,970)	87,000 (3,280)	220	40:1	
128,400 (5,090)	89,100 (3,360)	128,400 (5,090)	89,100 (3,360)	230	40:1	
131,400 (5,210)	91,200 (3,440)	131,400 (5,210)	91,200 (3,440)	230	40:1	
134,400 (5,330)	93,300 (3,520)	134,400 (5,330)	93,300 (3,520)	240	40:1	
137,400 (5,450)	95,400 (3,600)	137,400 (5,450)	95,400 (3,600)	240	40:1	
140,400 (5,570)	97,500 (3,680)	140,400 (5,570)	97,500 (3,680)	250	40:1	
143,400 (5,690)	99,600 (3,760)	143,400 (5,690)	99,600 (3,760)	250	40:1	
146,400 (5,810)	101,700 (3,840)	146,400 (5,810)	101,700 (3,840)	260	40:1	
149,400 (5,930)	103,800 (3,920)	149,400 (5,930)	103,800 (3,920)	260	40:1	
152,400 (6,050)	105,900 (4,000)	152,400 (6,050)	105,900 (4,000)	270	40:1	
155,400 (6,170)	108,000 (4,080)	155,400 (6,170)	108,000 (4,080)	270	40:1	
158,400 (6,290)	110,100 (4,160)	158,400 (6,290)	110,100 (4,160)	280	40:1	
161,400 (6,410)	112,200 (4,240)	161,400 (6,410)	112,200 (4,240)	280	40:1	
164,400 (6,530)	114,300 (4,320)	164,400 (6,530)	114,300 (4,320)	290	40:1	
167,400 (6,650)	116,400 (4,400)	167,400 (6,650)	116,400 (4,400)	290	40:1	
170,400 (6,770)	118,500 (4,480)	170,400 (6,770)	118,500 (4,480)	300	40:1	
173,400 (6,890)	120,600 (4,560)	173,400 (6,890)	120,600 (4,560)	300	40:1	
176,400 (7,010)	122,700 (4,640)	176,400 (7,010)	122,700 (4,640)	310	40:1	
179,400 (7,130)	124,800 (4,720)	179,400 (7,130)	124,800 (4,720)	310	40:1	
182,400 (7,250)	126,900 (4,800)	182,400 (7,250)	126,900 (4,800)	320	40:1	
185,400 (7,370)	129,000 (4,880)	185,400 (7,370)	129,000 (4,880)	320	40:1	
188,400 (7,490)	131,100 (4,960)	188,400 (7,490)	131,100 (4,960)	330	40:1	
191,400 (7,610)	133,200 (5,040)	191,400 (7,610)	133,200 (5,040)	330	40:1	
194,400 (7,730)	135,300 (5,120)	194,400 (7,730)	135,300 (5,120)	340	40:1	
197,400 (7,850)	137,400 (5,200)	197,400 (7,850)	137,400 (5,200)	340	40:1	
200,400 (7,970)	139,500 (5,280)	200,400 (7,970)	139,500 (5,280)	350	40:1	
203,400 (8,090)	141,600 (5,360)	203,400 (8,090)	141,600 (5,360)	350	40:1	
206,400 (8,210)	143,700 (5,440)	206,400 (8,210)	143,700 (5,440)	360	40:1	
209,400 (8,330)	145,800 (5,520)	209,400 (8,330)	145,800 (5,520)	360	40:1	
212,400 (8,450)	147,900 (5,600)	212,400 (8,450)	147,900 (5,600)	370	40:1	
215,400 (8,570)	150,000 (5,680)	215,400 (8,570)	150,000 (5,680)	370	40:1	
218,400 (8,690)	152,100 (5,760)	218,400 (8,690)	152,100 (5,760)	380	40:1	
221,400 (8,810)	154,200 (5,840)	221,400 (8,810)	154,200 (5,840)	380	40:1	
224,400 (8,930)	156,300 (5,920)	224,400 (8,930)	156,300 (5,920)	390	40:1	
227,400 (9,050)	158,400 (6,000)	227,400 (9,050)	158,400 (6,000)	390	40:1	
230,400 (9,170)	160,500 (6,080)	230,400 (9,170)	160,500 (6,080)	400	40:1	
233,400 (9,290)	162,600 (6,160)	233,400 (9,290)	162,600 (6,160)	400	40:1	
236,400 (9,410)	164,700 (6,240)	236,400 (9,410)	164,700 (6,240)	410	40:1	
239,400 (9,530)	166,800 (6,320)	239,400 (9,530)	166,800 (6,320)	410	40:1	
242,400 (9,650)	168,900 (6,400)	242,400 (9,650)	168,900 (6,400)	420	40:1	
245,400 (9,770)	171,000 (6,480)	245,400 (9,770)	171,000 (6,480)	420	40:1	
248,400 (9,890)	173,100 (6,560)	248,400 (9,890)	173,100 (6,560)	430	40:1	
251,400 (10,010)	175,200 (6,640)	251,400 (10,010)	175,200 (6,640)	430	40:1	
254,400 (10,130)	177,300 (6,720)	254,400 (10,130)	177,300 (6,720)	440	40:1	
257,400 (10,250)	179,400 (6,800)	257,400 (10,250)	179,400 (6,800)	440	40:1	
260,400 (10,370)	181,500 (6,880)	260,400 (10,370)	181,500 (6,880)	450	40:1	
263,400 (10,490)	183,600 (6,960)	263,400 (10,490)	183,600 (6,960)	450	40:1	
266,400 (10,610)	185,700 (7,040)	266,400 (10,610)	185,700 (7,040)	460	40:1	
269,400 (10,730)	187,800 (7,120)	269,400 (10,730)	187,800 (7,120)	460	40:1	
272,400 (10,850)	189,900 (7,200)	272,400 (10,850)	189,900 (7,200)	470	40:1	
275,400 (10,970)	192,000 (7,280)	275,400 (10,970)	192,000 (7,280)	470	40:1	
278,400 (11,090)	194,100 (7,360)	278,400 (11,090)	194,100 (7,360)	480	40:1	
281,400 (11,210)	196,200 (7,440)	281,400 (11,210)	196,200 (7,440)	480	40:1	
284,400 (11,330)	198,300 (7,520)	284,400 (11,330)	198,300 (7,520)	490	40:1	
287,400 (11,450)	200,400 (7,600)	287,400 (11,450)	200,400 (7,600)	490	40:1	
290,400 (11,570)	202,500 (7,680)	290,400 (11,570)	202,500 (7,680)	500	40:1	
293,400 (11,690)	204,600 (7,760)	293,400 (11,690)	204,600 (7,760)	500	40:1	
296,400 (11,810)	206,700 (7,840)	296,400 (11,810)	206,700 (7,840)	510	40:1	
299,400 (11,930)	208,800 (7,920)	299,400 (11,930)	208,800 (7,920)	510	40:1	
302,400 (12,050)	210,900 (8,000)	302,400 (12,050)	210,900 (8,000)	520	40:1	
305,400 (12,170)	213,000 (8,080)	305,400 (12,170)	213,000 (8,080)	520	40:1	
308,400 (12,290)	215,100 (8,160)	308,400 (12,290)	215,100 (8,160)	530	40:1	
311,400 (12,410)	217,200 (8,240)	311,400 (12,410)	217,200 (8,240)	530	40:1	
314,400 (12,530)	219,300 (8,320)	314,400 (12,530)	219,300 (8,320)	540	40:1	
317,400 (12,650)	221,400 (8,400)	317,400 (12,650)	221,400 (8,400)	540	40:1	
320,400 (12,770)	223,500 (8,480)	320,400 (12,770)	223,500 (8,480)	550	40:1	
323,400 (12,890)	225,600 (8,560)	323,400 (12,890)	225,600 (8,560)	550	40:1	
326,400 (13,010)	227,700 (8,640)	326,400 (13,010)	227,700 (8,640)	560	40:1	
329,400 (13,130)	229,800 (8,720)	329,400 (13,130)	229,800 (8,720)	560	40:1	
332,400 (13,250)	231,900 (8,800)	332,400 (13,250)	231,900 (8,800)	570	40:1	
335,400 (13,370)	234,000 (8,880)	335,400 (13,370)	234,000 (8,880)	570	40:1	
338,400 (13,490)	236,100 (8,960)	338,400 (13,490)	236,100 (8,960)	580	40:1	
341,400 (13,610)	238,200 (9,040)	341,400 (13,610)	238,200 (9,040)	580	40:1	
344,400 (13,730)	240,300 (9,120)	344,400 (13,730)	240,300 (9,120)	590	40:1	
347,400 (13,850)	242,400 (9,200)	347,400 (13,850)	242,400 (9,200)	590	40:1	
350,400 (13,970)	244,500 (9,280)	350,400 (13,970)	244,500 (9,280)	600	40:1	
353,400 (14,090)	246,600 (9,360)	353,400 (14,090)	246,600 (9,360)	600	40:1	
356,400 (14,210)	248,700 (9,440)	356,400 (14,210)	248,700 (9,440)	610	40:1	
359,400 (14,330)	250,800 (9,520)	359,400 (14,330)	250,800 (9,520)	610	40:1	
362,400 (14,450)	252,900 (9,600)	362,400 (14,450)	252,900 (9,600)	620	40:1	
365,400 (14,570)	255,000 (9,680)	365,400 (14,570)	255,000 (9,680)	620	40:1	
368,400 (14,690)	257,100 (9,760)	368,400 (14,690)	257,100 (9,760)	630	40:1	
371,400 (14,810)	259,200 (9,840)	371,400 (14,810)	259,200 (9,840)	630	40:1	
374,400 (14,930)	261,300 (9,920)	374,400 (14,930)	261,300 (9,920)	640	40:1	
377,400 (15,050)	263,400 (10,000)	377,400 (15,050)	263,400 (10,000)	640	40:1	
380,400 (15,170)	265,500 (10,080)	380,400 (15,170)	265,500 (10,080)	650	40:1	
383,400 (15,290)	267,600 (10,160)	383,400 (15,290)	267,600 (10,160)	650	40:1	
386,400 (15,410)	269,700 (10,240)	386,400 (15,410)	269,7			