

# Mini Vacu (Compact direct connected oil rotary vacuum pump)

## PX Series

Attainable vacuum (Pa)	Exhaust speed (50 Hz, L/min)
$6.7 \times 10^{-2}$ Pa	50/135/200

### Long Life and for Chemical Use



- Usage of vacuum pumps to suction special gases has been increasing for using such gases in the chemical industry, the semiconductor industry, or general science applications. Conventional vacuum pumps will suffer significant shortening of service life due to corrosion or excessive wear on parts contact with such special gases causing troubles. PX series vacuum pumps are of chemical type and employ corrosion proof and wear-resistant materials for parts that may contact with gases.
- Surfaces of pump casing and major structural parts are specially finished. O rings and other chemical parts are made of fluorine-based material and other parts employ corrosion proof materials.
- The exhaust port employs a KF-25 quick coupling flange (ISO type) and its connection/removal to and from a pipe necessary for exhausting toxic and other gasses is easy. A KF-25 quick coupling flange can be installed onto the exhaust port as well. (Optional)

### ■ Specifications

Product code	242296	242297	242298
Model	PX-52	PX-137	PX-202
Effective exhaust speed (50/60 Hz)(l/min)	50/60	135/162	200/240
Attainable vacuum (Pa)	$6.7 \times 10^{-2}$		
Motor	Single phase, 100V, 200W, 4P split phase starting	Single phase, 100V, 400W, 4P condenser start & run	Three phase, 200V, 750W, 4P
Total load current (50/60Hz)(A)	5.6/4.8	7.7/6.1	3.6/3.3
Oil amount (mL)	650	1,000	1,100
Oil type	SO-M		
Mass (kg)	13.9	25	26.6
Suction pipe diameter (mm)	O.D.18×I.D.14	O.D.30×I.D.22	
Operating atmospheric temp. range (deg.C)	7 to 40		
Max. size (mm)	165.5(W) x 419(L) x 233(H)	170(W) x 493(L) x 263(H)	170(W) x 509.5(L) x 262.5(H)

■Optional items

Description	Model No.	Product Code
Oil Mist Trap for Low level vacuum, OMT-200A, for PD138 and PD203	PD Series	242040
Oil Mist Trap for Low level vacuum, OMT-100A, for PD103	PD Series	242059
Oil Mist Trap for Low level vacuum, OMT-050A, for PS23 and PD53	PD/PS Series	242058
Inline Trap, OMI-100, for PD103	PD Series	242374
Inline Trap, OMI-200, for PD138 and PD203	PD Series	242375
Forline Trap, OFI-050C, for PS23 and PD53	PD/PS Series	200000
Forline Trap, OFI-050V, for PS23 and PD53	PD/PS Series	200000
Forline Trap, OFI-200C, for PD103, PD138, PX137, PX-202 and PD-203	PD/PX Series	200000
Forline Trap, OFI-200V, for PD138 and PD-203	PD Series	200000
SUS flexible hose with NW25 flange 1.5mL	Connection parts	212136
Clamp NW20/25	Connection parts	212137
Center ring NW20/25	Connection parts	212138
Rubber tube adapter with NW25 SUS flange	Connection parts	212140
Reducer SUS 18/30mm dia.	Connection parts	221496
Vacuum hose, rubber tube 2m, I.D. 9mm.	Connection parts	281013
Vacuum hose, rubber tube 2m, I.D. 15mm.	Connection parts	281014
Vacuum hose, rubber tube 2m, I.D. 25mm.	Connection parts	281015
Oil Mist Trap for Low level vacuum, OMT-050A, for PS23 and PD53	PS/PD Series	242058
Forline Trap, OFI-050C, for PS23 and PD53	PS/PD Series	200000
Forline Trap, OFI-050V, for PS23 and PD53	PS/PD Series	200000
Oil Mist Separator (Corrosion-proof), OMC-200, for PX137 and PX203 (Chemical Type)	PX Series	242377
Oil Mist Separator (Corrosion-proof), OMC-050, for PX52 (Chemical Type)	PX Series	242376
Forline Trap, OFI-200C, for PD103, PD138, PX137, PX-202 and PD-203	PX/PD Series	200000