50Hz

Pentax®
WATER PUMPS

GENERAL CATALOGUE

www.pentax-pumps.it

HISTORY

For many years **Pentax** has held a large share of the world market for motorized pumps. The sales department is constantly working to better serve existing customers and to open up new markets. This is possible thanks to the wide range of products available which allows to cover most of the applications in the pump field. Special attention is also paid to market surveys, so that any new requirements can be immediately transferred to the research and development department: the best way to properly develop and forecast future scenarios.

1989
Pentax is the result of a strategy designed at the end of the '80s and oriented to the creation of a corporate body structured on the decentralization of production

1990
The company was born from the fusion of Elettromac and Zetabase, two realities with years of experience in the sector. Thanks to advanced technologies and a rationalization of the production process, in the 90's the company imposed itself on the market

1994
Foras joins the group

2000
Increase model production, number of customers and delivery speed

2010
The Pentax group expands again with the entry of Marly: a company specialized in the realization of industrial pumps

2018
The group, now leader in the sector, reaches a consolidated turnover of 70 million euros

2019
Start of works to expand the operational headquarters with the creation of a new logistics hub of more than 8,000 square meters

2022
Installation of the 500kW photovoltaic system and start of commercial office expansion work

MISSION

After more than **20 years of activity** we can finally trace the guidelines that have governed and directed the industrial development of **Pentax Industries SpA**. Actions and processes that have intersected with the obvious aim of creating value, benefits to be redistributed to the various components of the production and distribution process.

A rational allocation of available resources, together with a refined program of production decentralization have allowed the company to adapt to changing market conditions, each time with extreme rapidity.

Maximum attention to the markets, therefore, with the commitment to respond in real time to the specific needs of the different markets, paying particular attention to technological progress. All this in the perspective of a careful policy for **customer satisfaction**.

"Creating value is our main goal"

Gianluigi Pedrollo, Chair man

VALUES

Reliability
Choosing Pentax means choosing safety at every stage

Quality
Where there is control, there is reliability: the basis for success

Speed
Impeccable delivery time

Flexibility
Pentax studies each case thoroughly, identifies the best solution and then takes action with security

Variety
The best service: a wide range of Pentax products, one for every need

OFFICIAL JOURNAL OF THE EUROPEAN UNION

Regulation UE 547/2012
ANNEX II

«The benchmark for most efficient water pumps is MEI ≥ 0,70».
«The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter».
«The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system».
Information on benchmark efficiency is available at:
www.europump.org/efficiencycharts.


CERTIFICATO
Nr. 50 100 3634 Rev.008
PENTAX S.p.A.
VIALE DELL'INDUSTRIA 1
IT - 37040 VERONELLA (VR)
UNI EN ISO 9001:2015
Progettazione e fabbricazione di elettropompe e sistemi di pressurizzazione per acque. Commercializzazione di pompe sommerse e accessori per pompe (IAF 18, 29)
Design and manufacture of electric pumps and pressure systems for water. Trade of submersed pumps and accessories for pumps (IAF 18, 29)
Validità / Validity
Dal / From: 2021-11-01
Al / To: 2024-10-31
Data emissione / Issuing Date
2021-10-25
PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2003-12-22


CERTIFICATO
Nr. 50 100 12552 Rev.003
PENTAX S.p.A.
VIALE DELL'INDUSTRIA 1
IT - 37040 VERONELLA (VR)
UNI EN ISO 14001:2015
Progettazione e fabbricazione di elettropompe e sistemi di pressurizzazione per acque mediante processi di lavaggio e impregnazione dei getti di ghisa, lavorazioni meccaniche, bilanciatura rotanti, assemblaggio, verniciatura, imballo e spedizione. Commercializzazione di pompe sommerse e accessori per pompe. Magazzino (IAF 18, 29)
Design and manufacture of electric pumps and pressure system for water by processes of: impregnation and cleaning of cast iron items, mechanical machining, impellers and motor shafts balancing, assembling, painting, packing and shipment. Trade of submersed pumps and accessories for pumps. Stock (IAF 18, 29)
Validità / Validity
Dal / From: 2023-06-16
Al / To: 2026-06-15
Data emissione /Issuing Date:
2023-05-25
PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2014-05-16


CERTIFICATO
Nr. 50 100 14960 - Rev.002
PENTAX S.p.A.
VIALE DELL'INDUSTRIA 1
IT - 37040 VERONELLA (VR)
UNI ISO 45001:2018
Progettazione e fabbricazione di elettropompe e sistemi di pressurizzazione per acque mediante processi di lavaggio e impregnazione dei getti di ghisa, lavorazioni meccaniche, bilanciatura rotanti, assemblaggio, verniciatura, imballo e spedizione. Commercializzazione di pompe sommerse e accessori per pompe. Magazzino (IAF 18, 29)
Design and manufacture of electric pumps and pressure system for water by processes of: impregnation and cleaning of cast iron items, mechanical machining, impellers and motor shafts balancing, assembling, painting, packing and shipment. Trade of submersed pumps and accessories for pumps. Warehouse (IAF 18, 29)
Validità /Validity
Dal / From: 2021-02-27
Al / To: 2024-02-26
Data emissione / Issuing Date
2020-12-23
Andrea Coscia
PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2018-02-27 (EMESSO DA ALTRO OdC/ ISSUED BY OTHER CB)

DP/DPV

Drainage pumps for emptying pits and cisterns, for gardening; completely constructed in anticorrosive material. Brass insert on the delivery opening (DP 80/100 - DPV 80/100). The single-phase version includes a built-in capacitor, a thermal protector and it can be equipped with a float switch.

DP 40
DP 80
DPV 80

DP 60
DP 100
DPV 100

White water

Construction features

Pump body	polypropylene
Impeller	Noryl®
Mechanical seal	double lip seal on ceramic bush
Motor shaft	stainless steel AISI 416 with ceramic bush
Free passage	Ø max 4 mm (DP 40/60) Ø max 7 mm (DP 80/100) Ø max 15 mm (DPV 80/100)
Max submergence	5 m
Liquid temperature	0 - 40 °C
Cable	H05 RN8F, 10 m (DP 40/60) H07 RN8F, 10 m (DP 80/100, DPV 80/100)
G	float switch

Motor

2 Poles induction motor	3~ 400V - 50Hz (DPV 80/100) 1~ 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX8

LOTS				
TYPE	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
DP 40-60	80×120×175	135	80×120×205	162
DP 80-100	80×120×145	57	80×120×190	76
DPV 80-100	80×120×145	57	80×120×190	76

DPV [ ] **80** **G**

- [ ] without float switch
- **G** with float switch

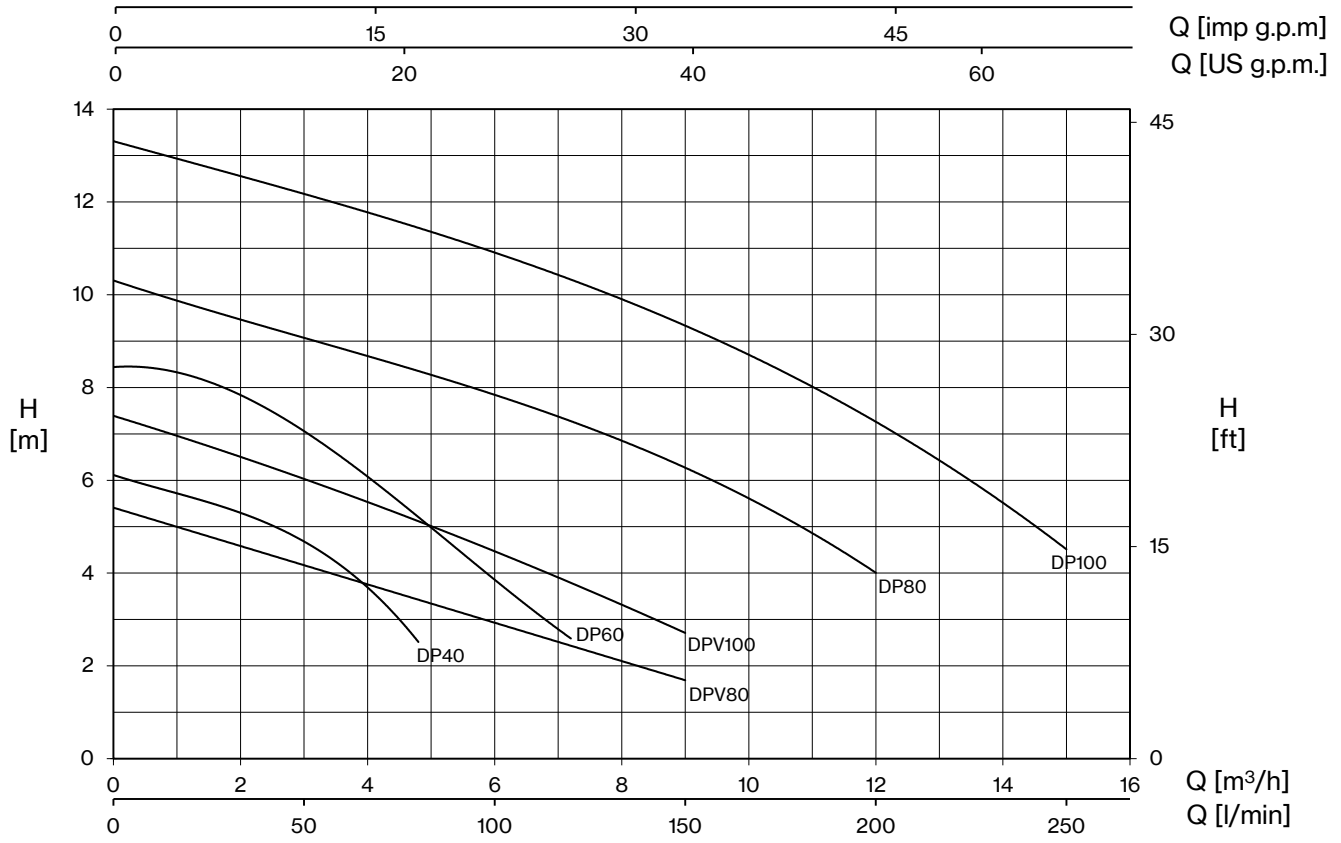
nominal power HP×100

motor [ ] 1~ **T** 3~

pump type

DP

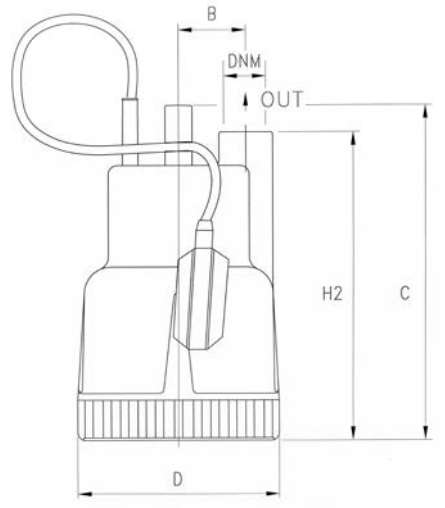
DPV



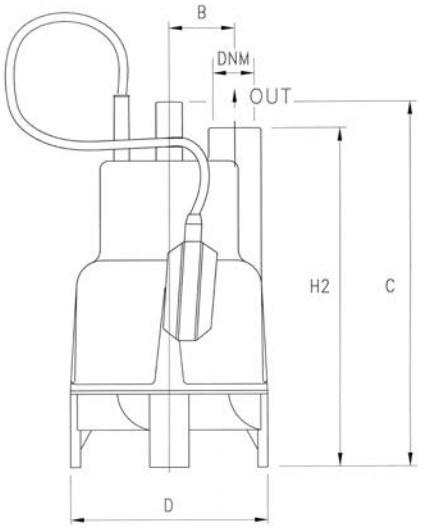
TYPE		W	AMPERE		Q (m³/h - l/min)										
1~	3~		1~	3~	0	1,2	2,4	3	3,6	4,8	6	7,2	9	12	15
					0	20	40	50	60	80	100	120	150	200	250
			1~ 230V 50 Hz	3~ 400V 50 Hz	H (m)										
DP 40 (G)	**-**	200	1,0	-	6,1	5,7	5,0	4,7	4,2	2,5					
DP 60 (G)	**-**	400	2,1	-	8,5	8,1	7,6	7,2	6,7	5,0	3,9	2,6			
DP 80 (G)	**DPT 80**	800	3,7	1,8	10,3			9,1	8,8	8,3	7,8	7,3	6,3	4,0	
DP 100 (G)	**DPT 100**	1050	5,1	2,3	13,3			12,2	12,0	11,5	10,9	10,3	9,3	7,3	4,5

TYPE		W	AMPERE		Q (m³/h - l/min)			
1~	3~		1~	3~	0	3	6	9
					0	50	100	150
			1~ 230V 50 Hz	3~ 400V 50 Hz	H (m)			
DPV 80 (G)	**DPVT 80**	500	2,6	1,2	5,4	4,2	2,9	1,7
DPV 100 (G)	**DPVT 100**	750	3,8	1,7	7,4	5,8	4,7	2,7

DP/DPV



TYPE	DIMENSIONS (mm)					M L I			Kg
	B	C	D	H2	DNM	I	L	M	
DP 40 (G)	50	250	150	230	1" G	170	200	320	5
DP 60 (G)	50	250	150	230		170	200	320	6,5
DP 80 (G)	55,5	296	176	276	1" ¼ G	185	230	310	8,5
DP 100 (G)	55,5	296	176	276		185	230	310	10



TYPE	DIMENSIONS (mm)					M L I			Kg
	B	C	D	H2	DNM	I	L	M	
DPV 80 (G)	55,5	331	176	310	1" ¼ G	185	230	345	8,5
DPV 100 (G)	55,5	331	176	310		185	230	345	10