



FENIKS TRANZIT PITER Ltd

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Measuring devices

Flow meters PPO, PPV for measuring of oil products and other liquids



Flow meters with oval gears PPO and screw flow meters PPV are designed for volume measuring of oil products.

The flow meters are equipped with mechanical account device (SU) or signal reading device (USS) with the controller KUP (the controller KUP has electronic

digital account indicator of single and summary calculation) and the remote control device "Vesna-TEC".

Pipeline connection of the flow meters is 1) flange (GOST 12820-80) and depends on diameter of the nominal bore and operating pressure, and 2) connecting pipe M42x2 (flow meter PPO-25/1,6).

Technical characteristics

Type of flow meter	Scale factor, liter		Nominal bore, mm	Operating pressure, MPa	Temperature of liquid, °C	Accuracy category	Mass, kg
	Mechanical	Electronic					
PPO-25/1,6	0,1	0,1	25	1,6	от -40 до +60	0,25;0,5	7,5
PPO-40/0,6	1	1	40	0,6	от -40 до +60	0,25;0,5	20
PPV-100/1,6	10	1	100	1,6	от -50 до +50	0,25;0,5	45
PPV-100/6,4	10	1	100	6,4	от -50 до +50	0,25;0,5	135
PPV-150/1,6	10	1	150	1,6	от -50 до +50	0,25;0,5	270
PPV-150/6,4	10	1	150	6,4	от -50 до +50	0,25;0,5	270

Type of flow meters	Accuracy class	Range of product kinematical viscosity, mm ² /s								
		0,55-1,1			6,0 - 60			60 - 300		
		Productivity, m ³ /h								
		min	Nominal	max	min	Nominal	max	min	Nominal	max
PPO-25/1,6	0,25	1,0	3,6	7,2	1,0	3,6	7,2	1,0	3,6	7,2
	0,5	0,72	3,6	7,2	0,72	3,6	7,2	0,72	3,6	7,2
PPO-40/0,6	0,25	5	18	25	5	18	25	5	18	25
	0,5	2,5	18	25	2,5	18	25	2,5	18	25
PPV-100/1,6	0,25	18	120	180	18	120	180	18	120	180
	0,5	15	120	180	15	120	180	15	120	180
PPV-100/6,4	0,25; 0,5	18	120	180	18	120	180	18	120	180
PPV-150/1,6	0,25; 0,5	30	250	420	30	250	420	30	250	420
PPV-150/6,4										

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Measuring devices

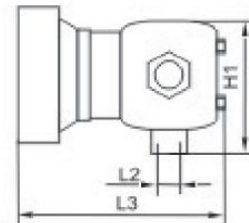
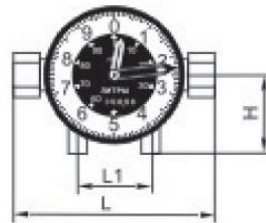
Flow meters PPO, PPV for measuring of oil products and other liquids



Certificate and Manufacturing License of the flow meters with oval gears PPO-25/16 SU

Certificate of Federal Agency on Technical Regulating and Metrology of Russia Pattern Approval Certificate of Measuring Instruments RU.C.29.000.A №8472

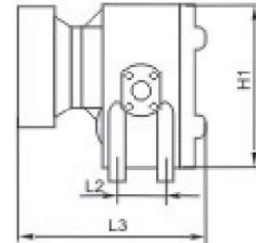
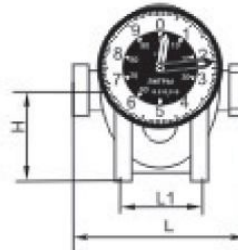
Overall and mounting dimension PPO 25-1.6



Certificate and Manufacturing License of the flowmeters with oval gears PPO-40/0,6 SU

Certificate of Federal Agency on Technical Regulating and Metrology of Russia Pattern Approval Certificate of Measuring Instruments RU.C.29.000.A №8477

Overall and mounting dimension PPO 40-06

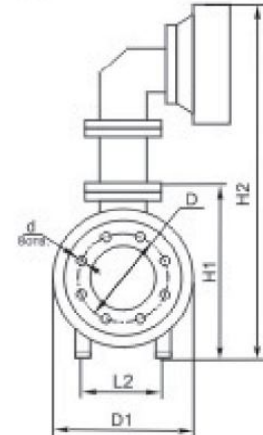
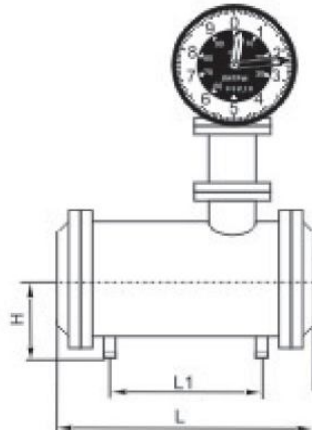


Certificate and Manufacturing License of the screw flow meters PPV SU



Certificate of Federal Agency on Technical Regulating and Metrology of Russia Pattern Approval Certificate of Measuring Instruments №1805

Overall and mounting dimension PPV 40-06



The dimensional and connecting sizes

type	L, mm	L, mm1	L2, mm	L3*, mm	H, mm	H1, mm	d, mm	D, mm	H2, mm	D1, mm
PPO-25/1,6	190	80	25	256(336)	70	136	**	**	-	-
PPO-40/0,6	270	125	75	305(376)	137	270	14	100		
PPV-100/1,6	480	400	140	-	130	348*	16	180	610	255
PPV-150/1,6	789	280	280	-	220	516*	30	280	780	390

* - Depending on a complete set
 ** - GOST 12820-80

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