

PF Prefill Valves



The prefill valve inputs vast fluid from oil box to oil vat when oil vat enters quickly. It can cut down return flow from oil vat to oil box during increasing pressure process. Pilot control pressure oil opens prefill valve and makes fluid which is at oil vat inside vent back to oil box when oil vat returns.

Ordering details

PF	-80	-FT	-20	Symbol
Sort	Size	Flang type	Series	
PF	80	FP: P port flang	20	
	90			
	100	FT: T port flang		
	125	FPT: P, T port flang		
	150			

Technical data

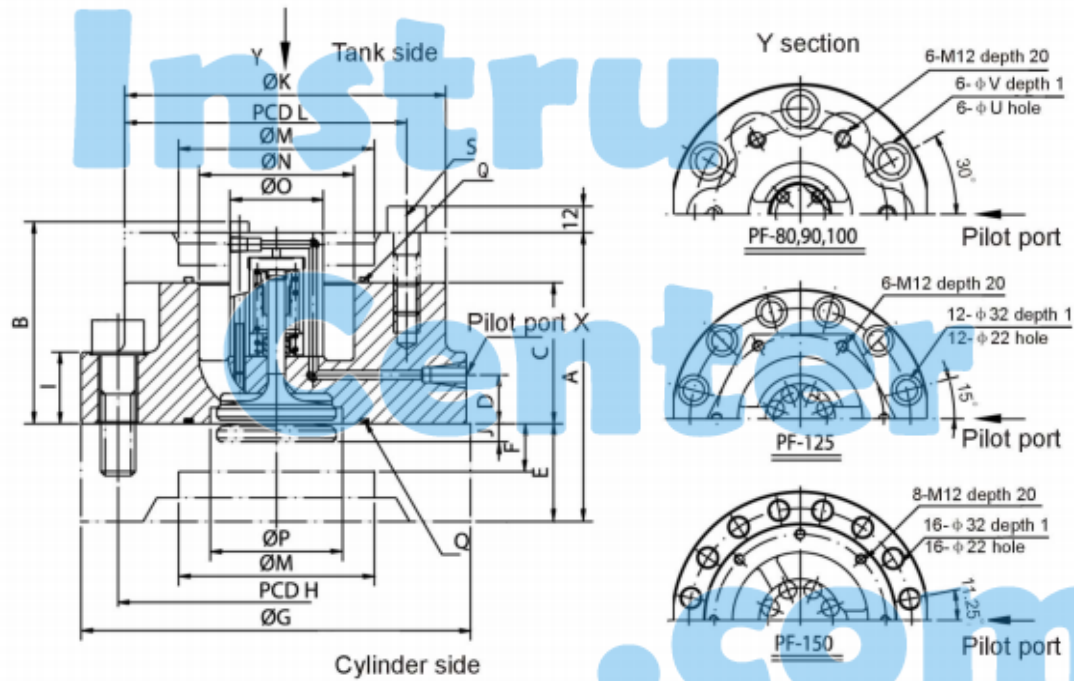
Type	Size	Max.flow L/min	Max.pressure MPa	Cracking pressure MPa	Weight Kg
PF-80-※-20	3"	400	25	0.012	8
PF-90-※-20	3-1/2"	630		0.012	11.3
PF-100-※-20	4"	1000		0.012	14.5
PF-125-※-20	5"	1600		0.012	23
PF-150-※-20	6"	2500		0.013	37

Type	Size	Amount
PF-80	M16×55	6
PF-90	M18×65	6
PF-100	M20×70	6
PF-120	M20×80	12
PF-150	M20×95	16

Type	FP flang Kg	FT flang Kg
PF-80	6.6	2.2
PF-90	8.8	2.6
PF-100	14.2	2.6
PF-120	25.2	4.0
PF-150	28.0	8.0

Installation Dimensions

● PF-※-※-20



Type	Size	A	B	C	D	E	F	G	H	I	J	K
PF-80	3	133	94	65	22.5	45	22	180	146	33	10	142
PF-90	3-1/2	145	119	72	27	50	30	200	165	41.5	13	160
PF-100	4	157	132.5	74	31.5	60	32	230	191	44	18	170
PF-125	5	196	165	85	43	80	50	270	230	52	23.5	200
PF-150	6	216	204	105	45	80	40	300	260	64	25	225

Type	L	M	N	O	P	Q	S	U	V	X
PF-80	120	90.2	71.5	43	71	G80	6-M12×40	17.5	26	Rc1/4
PF-90	135	101.6	89	50	88	G100	6-M12×40	20	28	Rc1/4
PF-100	148	115.5	108	56	106	G115	6-M12×40	22	32	Rc1/4
PF-125	175	141.2	130.5	69	130	G140	6-M12×50	-	-	Rc1/4
PF-150	200	167	155	96	168	G180	6-M12×50	-	-	Rc3/8