

Pompe a mano con azionamento a doppio effetto (la pompa eroga olio sia spingendo che tirando la leva), con valvola di non ritorno in mandata e rubinetto di scarico per impianti a semplice effetto o senza rubinetto per impianti d'emergenza. Sono disponibili in tre diverse cilindratae per consentire le più svariate applicazioni e per limitare lo sforzo sulla leva in ogni situazione. Hanno il corpo in ghisa con trattamento di zincatura bianca e lo stelo in acciaio nichelato.

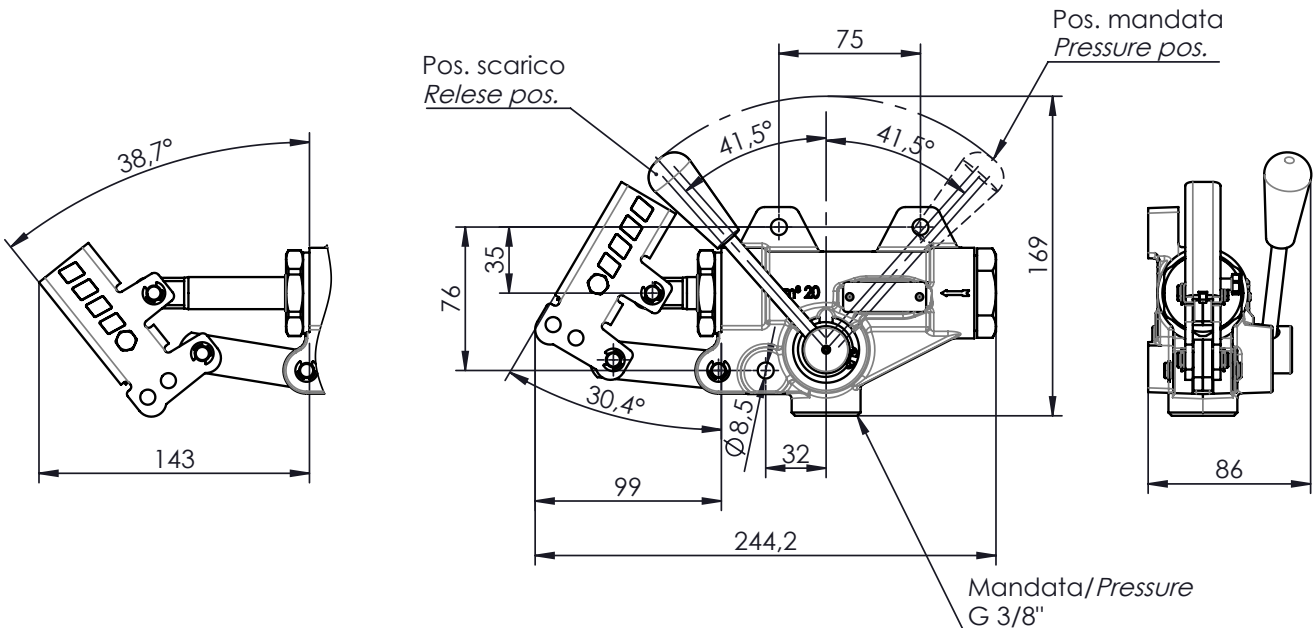
Hand pumps with double effect activation (the pump delivers oil both pushing and pulling the lever), with check valve on pressure port and wheter with drainage tap for simple effect installations or without tap for emergency installations.

Available in three different capacities to allow several applications and to limit the effort on the lever in any situation. The body is in cast-iron with white galvanization and the stem is in nickelated steel.

Codice di ordinazione (senza leva)
Order code (without lever)

	PM 20+VR
con rubinetto with valve	10600130017
senza rubinetto without valve	10600130044

Ingombro / Dimensions



Алматы (7273)495-231
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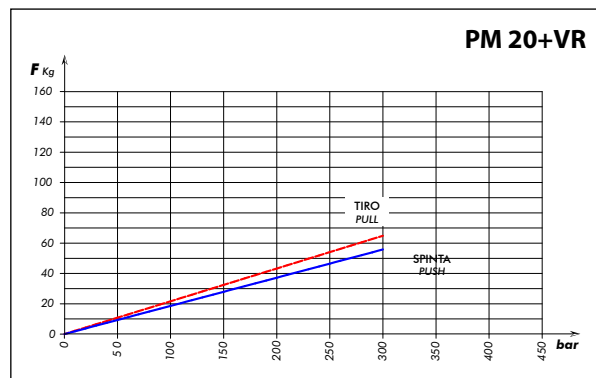
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Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Dati tecnici / Technical data

Tipo pompa Pump type	Pressione massima Max. pressure setting bar	Cilindrata Displacement			Peso Weight kg
		Completa / Full cm ³	Tiro / Pull cm ³	Spinta / Push cm ³	
PM 20+VR	300	20	10,8	9,2	3,4

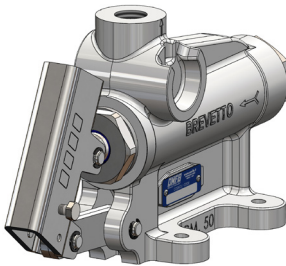
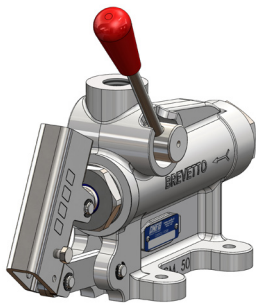
Fluido idraulico Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata Kinematic viscosity suggested	T media ambiente (°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	22	32	46	68
Temperatura di utilizzo Working temperature		-15° +110°C			

Sforzo in fase di pompaggio con leva standard
 Load while pumping with standard lever

Leva / Lever
PM 20+VR

10600000176

Kit guarnizioni / Seal kit
PM 20+VR

10690000024



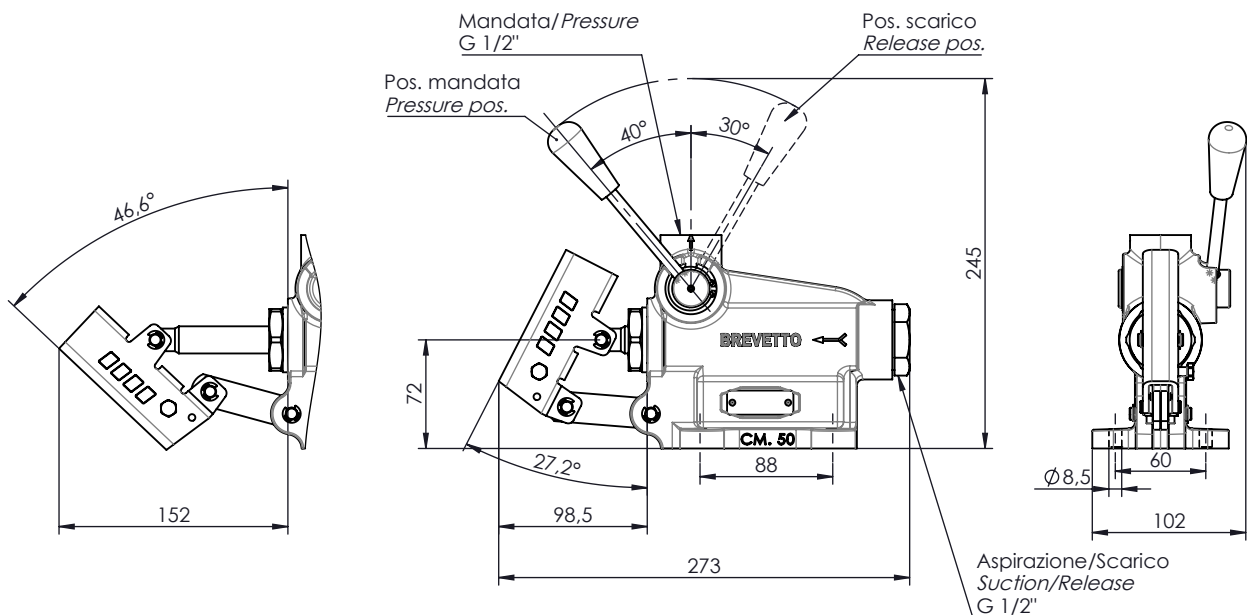
Pompe a mano con azionamento a doppio effetto (la pompa eroga olio sia spingendo che tirando la leva), con valvola di non ritorno in mandata e rubinetto di scarico per impianti a semplice effetto o senza rubinetto per impianti d'emergenza. Sono disponibili in tre diverse cilindratae per consentire le più svariate applicazioni e per limitare lo sforzo sulla leva in ogni situazione. Hanno il corpo in ghisa con trattamento di zincatura bianca e lo stelo in acciaio nichelato.

Hand pumps with double effect activation (the pump delivers oil both pushing and pulling the lever), with check valve on pressure port and wheter with drainage tap for simple effect installations or without tap for emergency installations. Available in three different capacities to allow several applications and to limit the effort on the lever in any situation. The body is in cast-iron with white galvanization and the stem is in nickeled steel.

Codice di ordinazione (senza leva)
Order code (without lever)

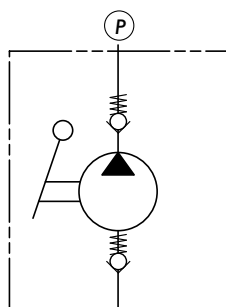
	PM 50+VR
con rubinetto with valve	10600130026
senza rubinetto without valve	10600130053

Ingombro / Dimensions

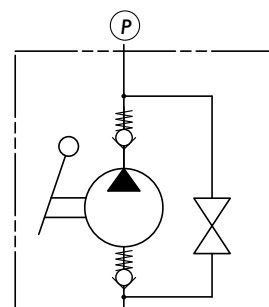


Schema idraulico / Hydraulic layout

senza rubinetto / without valve



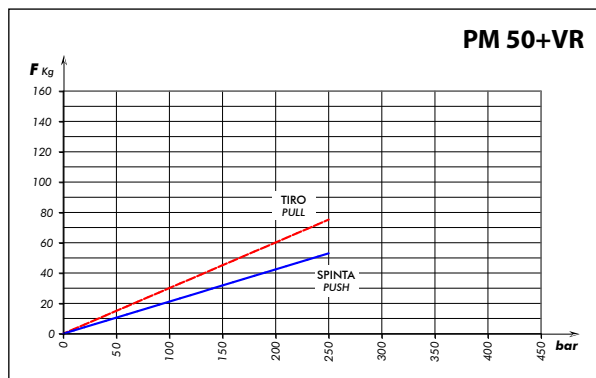
con rubinetto / with valve



Dati tecnici / Technical data

Tipo pompa Pump type	Pressione esercizio Working pressure bar	Pressione massima Max. pressure bar	Cilindrata Displacement			Peso Weight kg
			Completa / Full cm ³	Tiro / Pull cm ³	Spinta / Push cm ³	
PM 50+VR	220	250	50	29,8	20,7	5

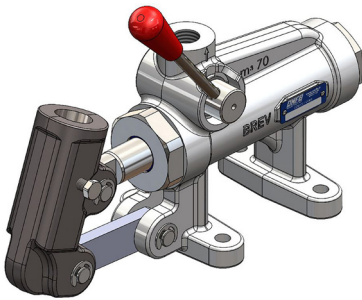
Fluido idraulico Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata Kinematic viscosity suggested	T media ambiente (°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	22	32	46	68
Temperatura di utilizzo Working temperature		-15° +110°C			

Sforzo in fase di pompaggio con leva standard
 Load while pumping with standard lever

Leva / Lever
PM 50+VR

10600000078

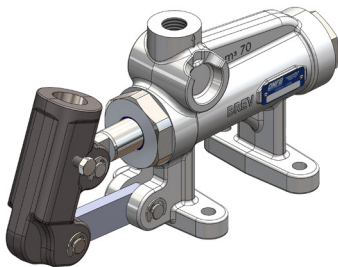
Kit guarnizioni / Seal kit
PM 50+VR

10690000122



Pompe a mano con azionamento a doppio effetto (la pompa eroga olio sia spingendo che tirando la leva), con rubinetto di scarico per impianti a semplice effetto o senza rubinetto per impianti d'emergenza. Sono disponibili in tre diverse cilindratae per consentire le più svariate applicazioni e per limitare lo sforzo sulla leva in ogni situazione. Hanno il corpo in ghisa con trattamento di zincatura bianca e lo stelo in acciaio nichelato.

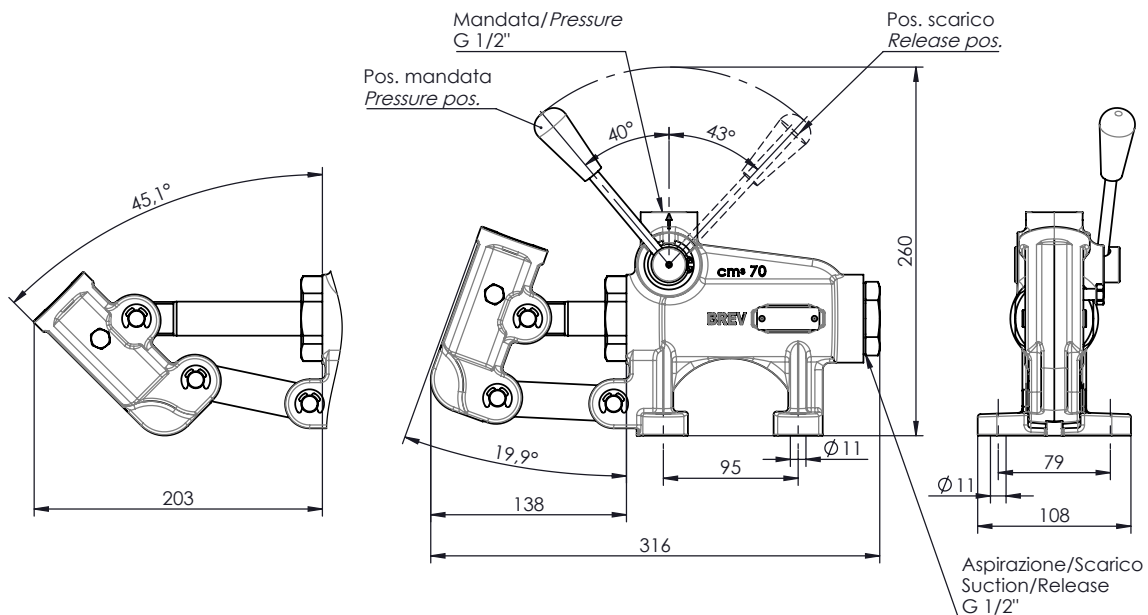
Hand pumps with double effect activation (the pump delivers oil both pushing and pulling the lever) wheter with drainage tap for simple effect installations or without tap for emergency installations. Available in three different capacities to allow several applications and to limit the effort on the lever in any situation. The body is in cast-iron with white galvanization and the stem is in nickeled steel.



Codice di ordinazione (senza leva) Order code (without lever)

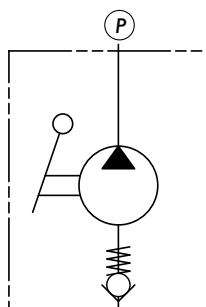
	PM 70
con rubinetto with valve	10600100031
senza rubinetto without valve	10600100068

Ingombro / Dimensions

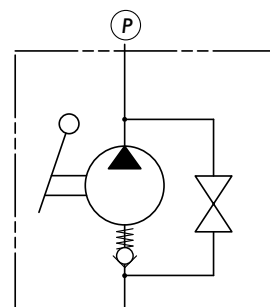


Schema idraulico / Hydraulic layout

senza rubinetto / without valve



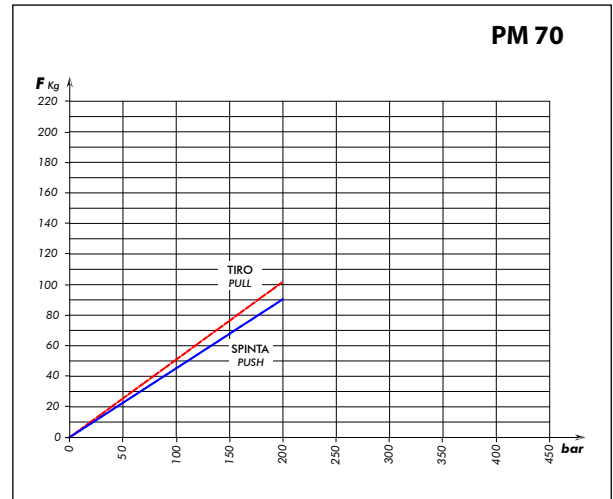
con rubinetto / with valve



Dati tecnici / Technical data

Tipo pompa Pump type	Pressione massima Max. pressure setting bar	Cilindrata Displacement		Peso Weight kg	
		Completa / Full cm ³	Tiro / Pull cm ³		Spinta / Push cm ³
PM 70	200	70	37,1	32,9	7,2

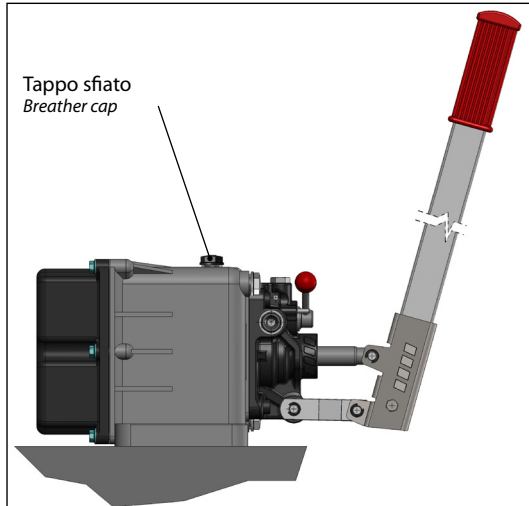
Fluido idraulico Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata Kinematic viscosity suggested	T media ambiente (°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	22	32	46	68
Temperatura di utilizzo Working temperature		-15° +110°C			

Sforzo in fase di pompaggio con leva standard
 Load while pumping with standard lever

Leva / Lever

PM 70
10600000014

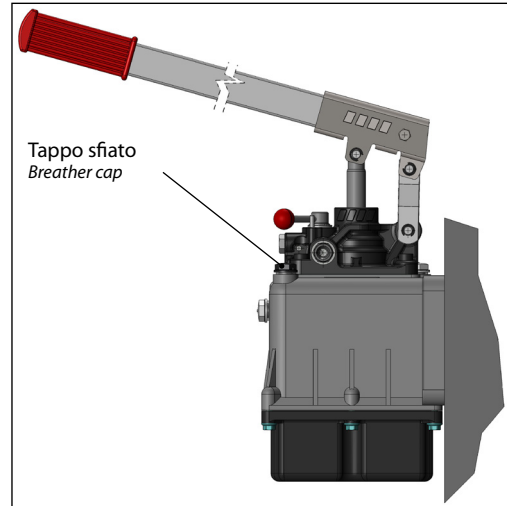
Kit guarnizioni / Seal kit

PM 70
10690000042



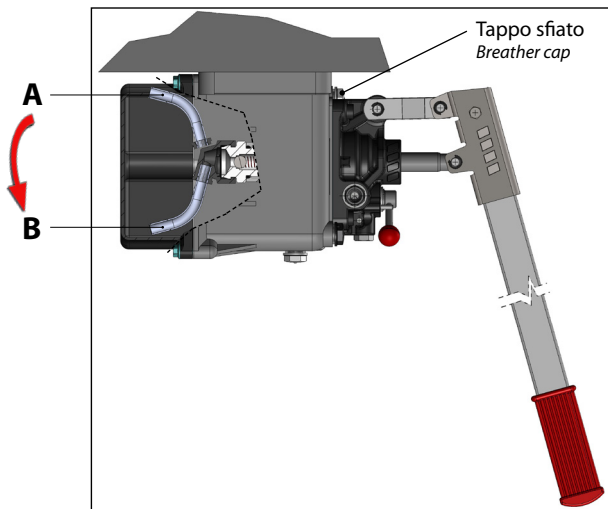
Applicazione 1. Il tappo sfiato deve essere nella posizione indicata in figura.

Application 1. The breather cap has to be in the position indicated in a picture.



Applicazione 2. Il tappo sfiato deve essere nella posizione indicata in figura.

Application 2. The breather cap has to be in the position indicated in a picture.



Applicazione 3. Per questo tipo di applicazione ruotare il tubo interno di aspirazione dalla posizione **A** alla posizione **B**. Il tappo sfiato deve essere nella posizione indicata in figura.

Application 3. In this application rotate the internal suction pipe from position **A** to **B**. The breather cap has to be placed as per position indicated in the picture.

Nelle applicazioni 1 e 3, soprattutto in presenza di serbatoi di grande capacità, è consigliabile interporre al tappo di sfiato un raccordo a L maschio/femmina da G 1/4" per evitare piccole fuoriuscite di olio.

For applications 1 and 3, especially for what concerns large reservoirs, it is advisable to use an "L" shape male/female G1/4" adaptor for the breather cap to avoid little oil leakage.



cod. 10090000231
optional - da ordinare separatamente
to be order separately

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