

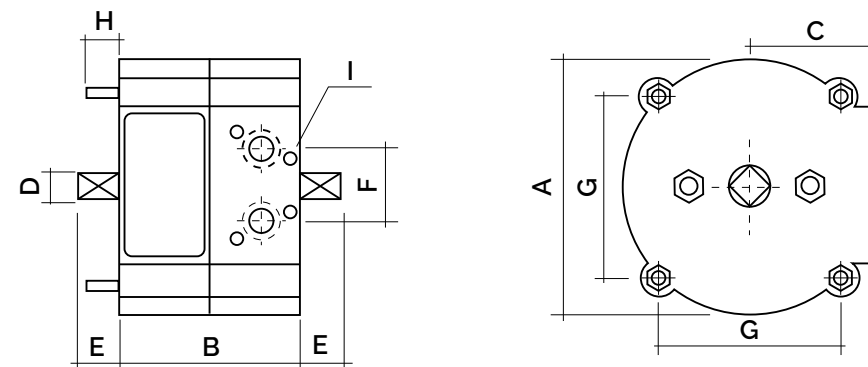
RULES FOR INSTALLATIONS

FLUIDS:

- Filtered air and oil mist lubricated air
- Mineral oil with viscosity between 16 and 160 cSt a 40°C.
- Solutions or emulsions
- Water

TEMPERATURES:

- 20°C +60°C
- untill a 120°C per mod. HT (richiedere)
- Axial and / or radial loads are not allowed as pure torque generator
- The use of external mechanical limit switches is recommended



DIMENSIONS

MODEL	A	B	C	D	E	F		G		H	I
	mm	mm	mm	ømm	mm	mm	øGas	mm	øM	mm	mm
5.2 S	82,5	72	40	**	**	28	1/8"	*	*	20	Drilling ISO 5599/1
5.4 S	125	70	65	14	18	40	1/4"	90	M6	20	
5.8 S	125	90	65	14	18	40	1/4"	90	M6	20	
5.18 S	166	108	87	16	20	40	1/4"	120	M8	25	
5.32 S	166	166	87	16	20	44	1/4"	120	M8	25	
5.60 S	220	200	115	24	30	80	1/4"	165	M10	30	
5.120 S	280	230	145	24	30	110	1/4"	310	M10	30	

TORQUE

ANGLE	MODEL	COUPLE IN daNm (Kgm) a:					DISPLACEMENT	WEIGHT	PRESS MAX
		2 Bar	4 Bar	6 Bar	8 Bar	10 Bar	Cc/A	Kg	Air
90°	5.2 s	0,8	1,7	2,6	3,5	4,4	70	0,9	10 bar S MODELS
	5.4 s	1,9	3,9	5,9	7,8	9,8	155	2,0	
	5.8 s	3	6	9	12	15	245	2,4	
	5.18 s	7	14	21	28	35	565	4,7	
	5.32 s	12	25	37	50	63	990	6,5	
	5.60 s	26	51	78	105	131	2250	16,5	
	5.120 s	48	96	144	192	240	4500	35	



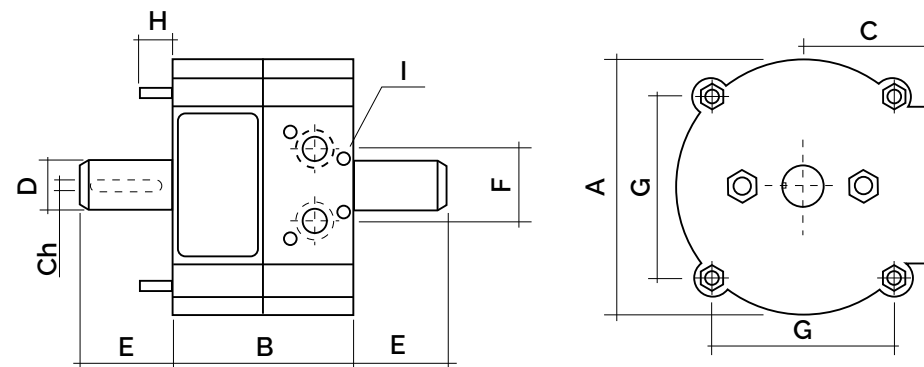
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QUOTE D'INGOMBRO

MODEL	A	B	C	D	E	Ch	F		G		H	I
	mm	mm	mm	mm	ømm	mm	mm	øGas	mm	øM	mm	mm
5.2 T	82,5	72	40	16	27	5	28	1/8"	*	*	20	Drilling ISO 5599/1
5.4 T	125	70	65	25	35,5	8	40	1/4"	90	M6	20	
5.8 T	125	90	65	25	45,5	8	40	1/4"	90	M6	20	
5.18 T	166	108	87	32	51,5	10	40	1/4"	120	M8	25	
5.32 T	166	166	87	32	56,5	10	44	1/4"	120	M8	25	
5.60 T	220	200	115	44	63	14	80	1/4"	165	M10	30	

MOMENTO TORCENTE

ANGLE	MODEL	COUPLE IN daNm (Kgm) a:								DISPLACEMENT	WEIGHT	PRESS MAX
		2 Bar	4 Bar	6 Bar	8 Bar	10 Bar	12 Bar	15 Bar	20 Bar	Cc/angle	Kg	Liquid
90°	5.2 T	0,8	1,7	2,6	3,5	4,4	5,3	6,6	8,9	70	0,9	20 bar S MODELS
	5.4 T	1,9	3,9	5,9	7,8	9,8	11,8	14	19	155	2,0	
	5.8 T	3	6	9	12	15	18	23	31	245	2,4	
	5.18 T	7	14	21	28	35	43	53	71	565	4,7	
	5.32 T	12	25	37	50	63	75	94	126	990	6,5	
	5.60 T	26	51	78	105	131	157	-	-	2250	16,5	

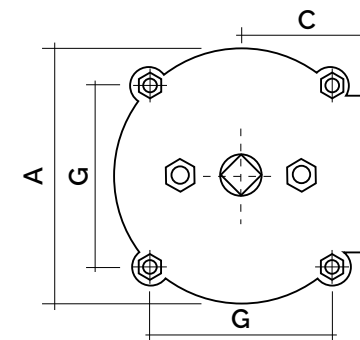
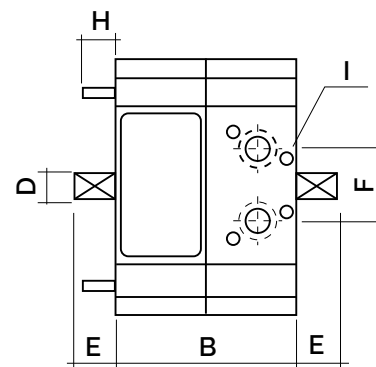
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	mm	mm	mm	ømm	mm	mm	øGas	mm	øM	mm	mm
7.2 S	82,5	72	40	**	**	28	1/8"	*	*	20	Drilling ISO 5599/1
7.4 S	125	70	65	14	18	40	1/4"	90	M6	20	
7.8 S	125	90	65	14	18	40	1/4"	90	M6	20	
7.18 S	166	108	87	16	20	40	1/4"	120	M8	25	
7.32 S	166	166	87	16	20	44	1/4"	120	M8	25	
7.60 S	220	200	115	24	30	80	1/4"	165	M10	30	

TORQUE

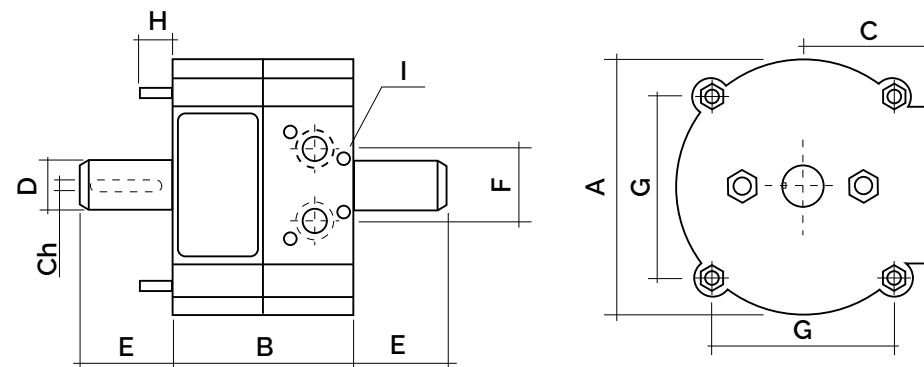
ANGLE	MODEL	COUPLE IN daNm (Kgm) a:					DISPLACEMENT	WEIGHT	PRESS MAX
		2 Bar	4 Bar	6 Bar	8 Bar	10 Bar	Cc/A	Kg	Air
120°	7.2 s	0,8	1,7	2,6	3,5	4,4	70	0,9	10 bar S MODELS
	7.4 s	1,9	3,9	5,9	7,8	9,8	155	2,0	
	7.8 s	3	6	9	12	15	245	2,4	
	7.18 s	7	14	21	28	35	565	4,7	
	7.32 s	12	25	37	50	63	990	6,5	
	7.60 s	26	51	78	105	131	2250	16,5	

NOTES FOR INSTALLATION**FLUIDS:**

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MODELLO	A	B	C	D	E	Ch	F		G		H	I
	mm	mm	mm	mm	ømm	mm	mm	øGas	mm	øM	mm	mm
7.2 T	82,5	72	40	16	27	5	28	1/8"	*	*	20	Drilling ISO 5599/1
7.4 T	125	70	65	25	35,5	8	40	1/4"	90	M6	20	
7.8 T	125	90	65	25	45,5	8	40	1/4"	90	M6	20	
7.18 T	166	108	87	32	51,5	10	40	1/4"	120	M8	25	
7.32 T	166	166	87	32	56,5	10	44	1/4"	120	M8	25	
7.60 T	220	200	115	44	63	14	80	1/4"	165	M10	30	

TORQUE

ANGLE	MODEL	COUPLE IN daNm (Kgm) a:								DISPLACEMENT	WEIGHT	PRESS MAX
		2 Bar	4 Bar	6 Bar	8 Bar	10 Bar	12 Bar	15 Bar	20 Bar	Cc/angle	Kg	Liquid
120°	7.2 T	0,8	1,7	2,6	3,5	4,4	5,3	6,6	8,9	70	0,9	20 bar T MODELS
	7.4 T	1,9	3,9	5,9	7,8	9,8	11,8	14	19	155	2,0	
	7.8 T	3	6	9	12	15	18	23	31	245	2,4	
	7.18 T	7	14	21	28	35	43	53	71	565	4,7	
	7.32 T	12	25	37	50	63	75	94	126	990	6,5	
	7.60 T	26	51	78	105	131	157	-	-	2250	16,5	

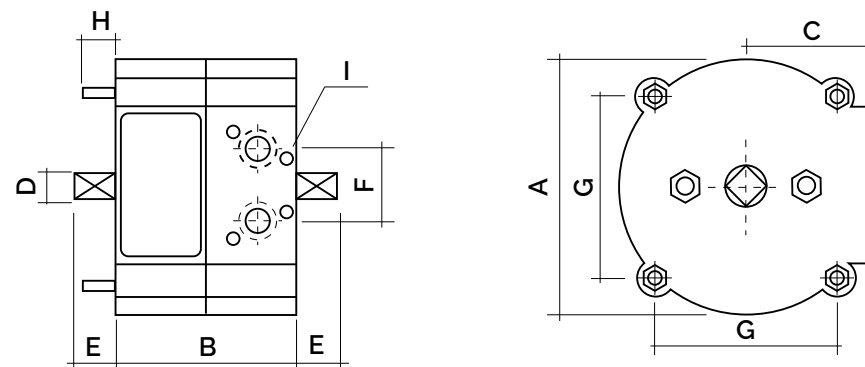
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	mm	mm	mm	ømm	mm	mm	øGas	mm	øM	mm	mm
10.2 S	125	70	65	14	18	40	1/4"	90	M6	20	Drilling ISO 5599/1
10.4 S	125	90	65	14	18	40	1/4"	90	M6	20	
10.8 S	166	108	87	16	20	40	1/4"	120	M8	25	
10.18 S	166	166	87	16	20	44	1/4"	120	M8	25	

TORQUE

ANGLE	MODEL	COUOLE IN daNm (Kgm) a:					DISPLACEMENT	WEIGHT	PRESS MAX
		2 Bar	4 Bar	6 Bar	8 Bar	10 Bar	Cc/A	Kg	Air
180°	10.2 s	0,9	1,9	3,8	4,7	5,7	155	2,0	10 bar S MODELS
	10.4 s	1,9	3	4,5	6	7,5	245	2,4	
	10.8 s	3,5	7	10	14	17	565	4,7	
	10.18 s	6	12	18	25	31	990	6,5	

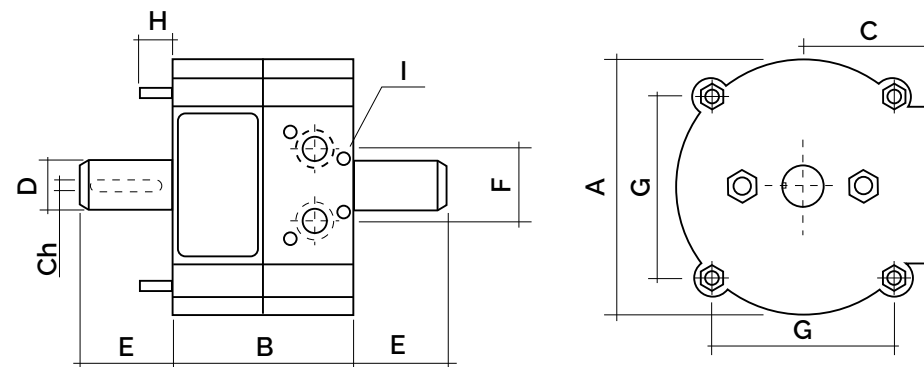
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		2 Bar	4 Bar	6 Bar	8 Bar	10 Bar	12 Bar	15 Bar	20 Bar	Cc/angle	Kg	Liqui
180°	10.2 T	0,9	1,9	2,8	3,8	4,7	5,7	7,2	9,5	155	2,0	20 bar T MODELS
	10.4 T	1,5	3	4,5	6	7,5	9	11,5	15,5	245	2,4	
	10.8 T	3,5	7	10	14	17	21	26	35	565	4,7	
	10.18 T	6	12	18	25	31	37	47	63	990	6,5	