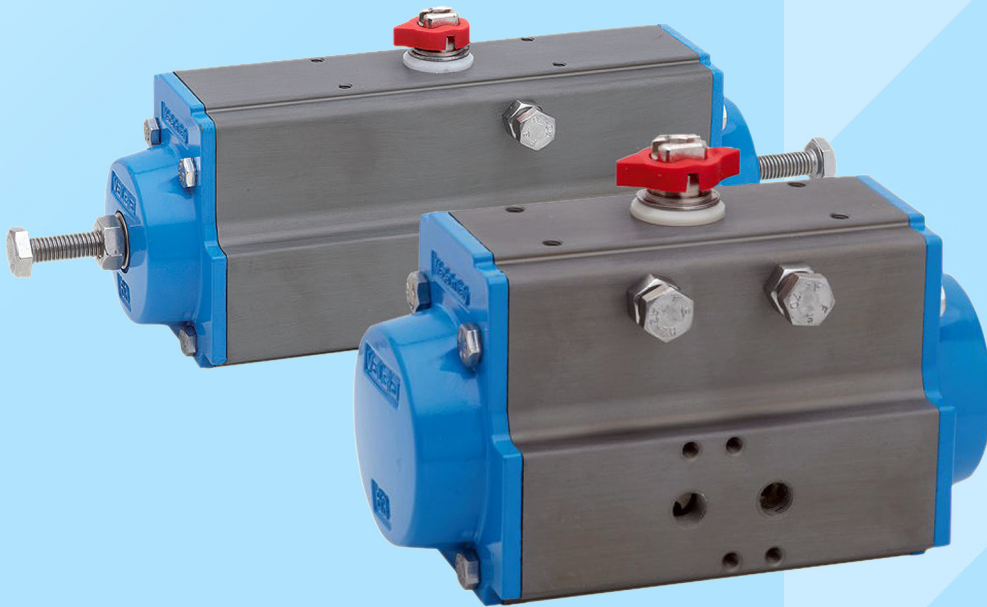
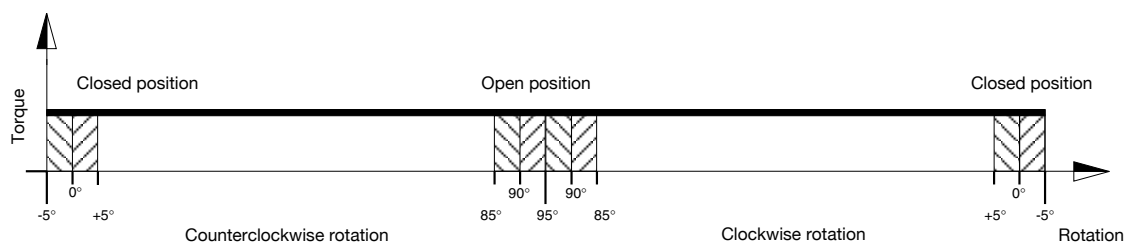
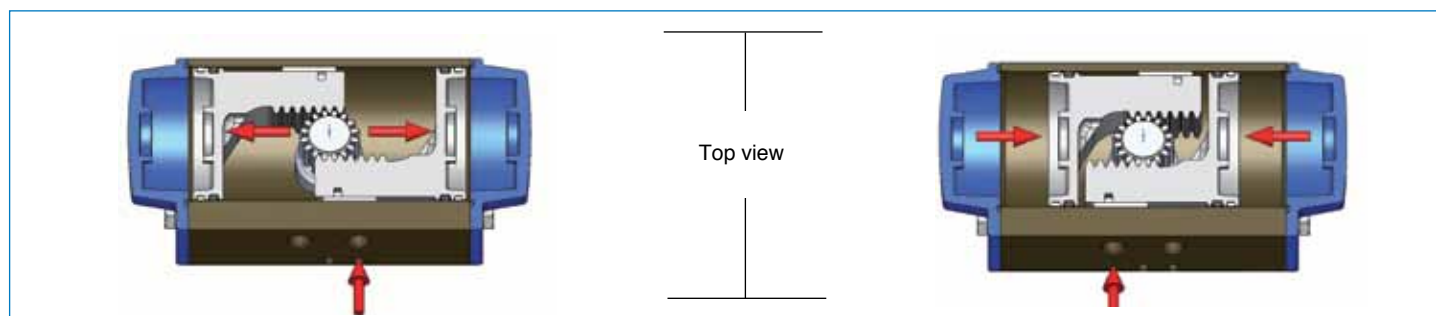




DOUBLE ACTING ACTUATOR

PNEUMATIC ACTUATORS



IT Dal grafico riportato si può notare che la coppia di un attuatori a doppio effetto si mantiene costante lungo tutta la manovra. L'utilizzatore potrà procedere alla scelta del modello idoneo alle proprie esigenze basandosi sulle seguenti indicazioni:

1. Verificare la coppia di spunto massimo della valvola da automatizzare.
2. Aumentare del 25-50% (dipende dal tipo di valvola e dalle condizioni di esercizio) il valore della coppia di spunto verificata, stabilendo così un coefficiente di sicurezza.
3. Ottenuto in questo modo il valore di coppia consigliato, si ricerca nella tabella dei momenti torcenti (in corrispondenza della pressione disponibile) un valore di coppia uguale o simile (comunque non inferiore) a quello ottenuto.
4. Trovato il valore basterà spostarsi in orizzontale verso sinistra nella colonna "modello" per avere la misura dell'attuatore adatto.

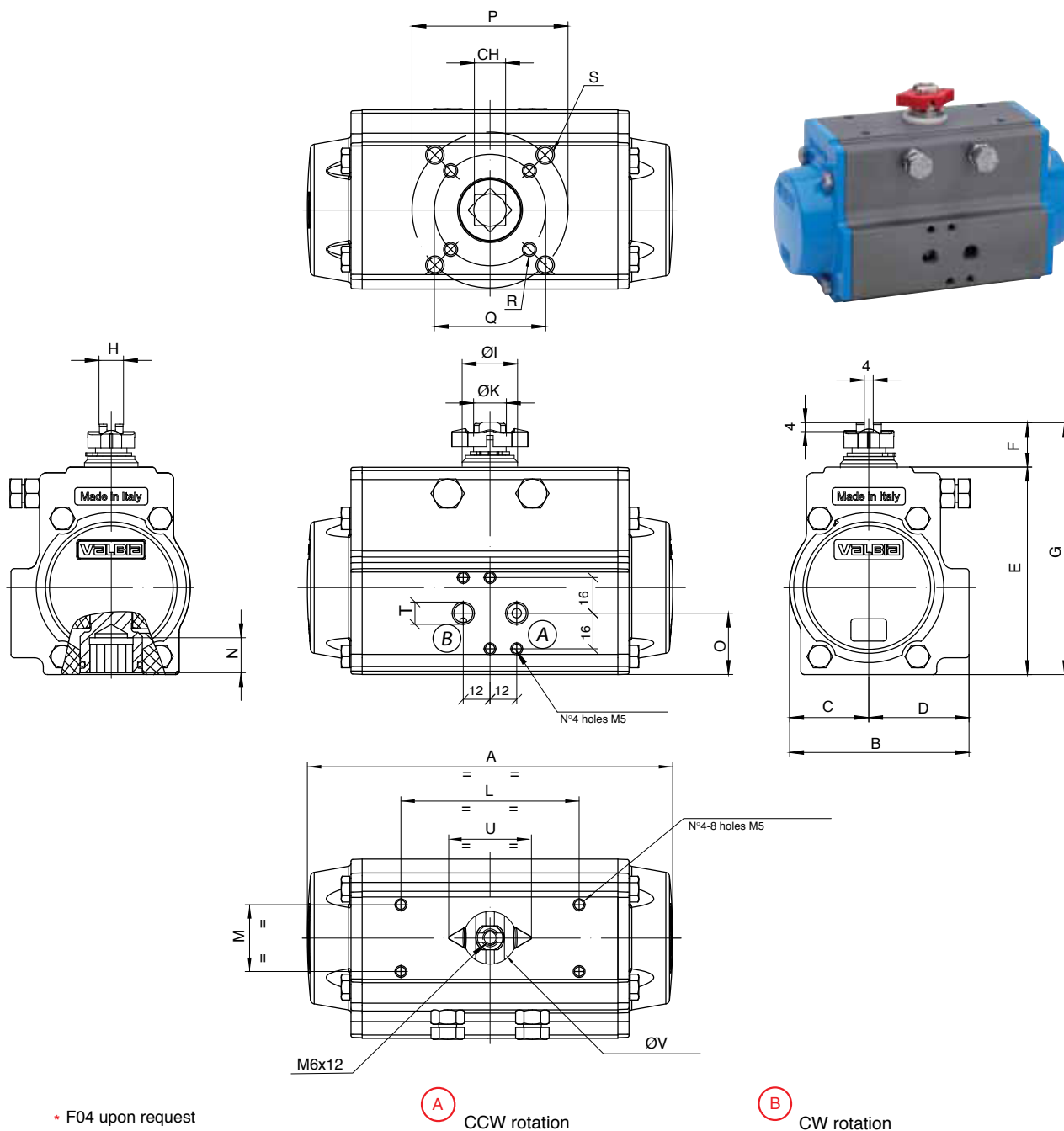
UK With reference to the above diagram it can be noted that the torque of a double acting actuator remains constant through-out the complete action.

The user can decide on which model to choose according to his/her own specific requirements, using the following guidelines:

1. Define the maximum torque of the valve to automate.
2. To obtain a safety factor increase the torque value chosen by 25-50% (subject to the type of valve and working conditions).
3. Once the torque value suggested is obtained consult the torque chart and in relation to the corresponding air pressure find a torque value exact to or exceeding the one obtained.
4. Once the torque value is determined move horizontally to the column "model" to find the actuator model required.

TYPE	AIR SUPPLY PRESSURE (bar)							
	2,5	3	4	5	5,5	6	7	8
	TORQUE OUTPUT DOUBLE ACTING ACTUATORS (Nm)							
DA 32	3,5	4,2	6	7,5	8	9	10	11,5
DA 52 *	9	11	14,5	18,5	20	22	26	30
DA 63 *	15,5	19	26	33	36	39,5	46,5	53,5
DA 75 *	29	35	47,5	60	66	72	84,5	97
DA 85 *	41,5	50,5	68,5	87	96	105	123	141
DA 100 *	66	80	108	136	150	164,5	193	221
DA 115	109	132	179	226	249	272	319	366
DA 125	143,5	174	235	297	327	358	419	481
DA 140	205	246	328	410	451	493	575	657
DA 160	287	344	458	573	630	688	802	917
DA 180	395	474	632	789	868	947	1105	1263
DA 200	532	638	851	1063	1170	1276	1489	1701
DA 230	879	1055	1406	1758	1934	2109	2461	2812
DA 270	1292	1550	2067	2584	2842	3101	3617	4134
DA 330	2299	2759	3679	4599	5059	5519	6438	7358

* Suitable also for stainless steel actuator



MOD.	ISO 5211	CH	A	B	C	D	E	F	G	H	ØI	ØK	L	M	N	O	P	Q	R	S	T ISO 7/1	U	øV
52	F03-F05 *	11	141	71	30	41	81,5	20	101,5	10	21	12	80	30	12	26,5	50	36	M5X7,5	M6X9	1/8"	34,5	22
63	F05 - F07	14	164	80,5	35,5	45	93	20	113	11	25	15	80	30	16	27,5	70	50	M6X8	M8X12	1/8"	34,5	22
75	F05 - F07	17	210	94,5	42	52,5	111,1	20	131	13	29	19	80	30	19	35	70	50	M6X8	M8X12	1/8"	42	29
85	F05 - F07	17	240,5	106	47,5	58,5	125	20	145	15	35	22	80	30	19	42	70	50	M6X8	M8X12	1/8"	42	29
100	F07 - F10	17	275	123	55	68	137,8	20	157,8	15	35	22	80	30	20,5	50	102	70	M8X8	M10X14	1/4"	42	29
115	F07 - F10	22	333	137	64	73	162,4	30	192,4	22	49	32	80/130	30	24	50	102	70	M8X12	M10X15	1/4"	64	44
125	F07 - F10	22	372	148	68	80	174,4	30	204,4	22	49	32	80/130	30	24	61	102	70	M8X12	M10X15	1/4"	64	44
140	F10 - F12	27	435	164	76,5	87,5	197	30	227	24	49	35	80/130	30	29	71	125	102	M10X15	M12X18	1/4"	64	44
160	F10 - F12	27	500	186	87	99	221	30	251	30	57	40	80/130	30	32	80	125	102	M10X14	M12X17	1/4"	80,5	60
180	F10 - F14	36	493	213	98	115	253	30	283	36	62	45	80/130	30	43	99	140	102	M10X15	M16X25	1/4"	80,5	60
200	F14	36	578,5	217	108	109	278	30	308	36	67	50	80/130	30	37	78	140	/	/	M16X24	1/4"	80,5	60
230	F16	**46	690	248,5	124	124,5	325	30	355	36	67	50	80/130	30	50	92	165	/	/	M20X29	1/4"	80,8	60

** SOLO QUADRO 45° - ONLY SQUARE CONNECTION AT 45°



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Note: We are engineering partner as a total system solution provider, VALBIA manufactures a range of components to ensure cost effective and reliable about quarter-turn actuators. As a comprehensive solution provider, We have great quality control procedures. The calculate various system designs and can work together perfectly. Finally we are fully committed to maintaining environment quality together.

VALBIA S.R.L., ITALY

Note: Only excellence allows to compete in the international market. The challenge can be faced thanks to the passion and the energy of the researchers, who plan and manufacture avant-garde quality and technology, a team which is perfectly integrated for providing total, customer satisfaction; we are ready!
To ensure the quality and technical standards at the highest level, the manufacturer reserves the right to alter the specifications without notice. This documentation supersedes and replaces all previous editions.

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