



Alphair



auma®

REGADA®

Automation

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What's new!

Pneumatic actuated angle seat piston valves – Butt weld & Clamp



p. 167

Declutchable gearbox New sizes



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2014/68/EU Directive N°1115 - Risk category II - Face to face DIN 3202-4 M8 - CB491K body - PA66 actuator - PTFE-stainless steel seat - Air supply connections 1/8" - Max. air supply: 8 bar - PS: 16 bar - TS: -10°C/+180°C.



ZEUS® - Bronze actuated angle seat valves

1420 - Normally closed Flow entry above the seat

1422 - Normally closed Flow entry below the seat

Ø	control head	Kv (m³/h)	face to face	For compressible fluids - Min. air supply 2,5 bar			For liquids - Min. air supply 4,2 bar		
				ΔP max. (bar)	code	price €	ΔP max. (bar)	code	price €
3/8"	40	4,5	65	16	1420203		16	1422203	
1/2"	40	5,3	65	16	1420204		16	1422204	
1/2"	50	5,7	65	16	1420304		16	1422304	
3/4"	50	10,5	75	16	1420305		10	1422305	
3/4"	63	10,8	75		-		16	1422405	
1"	63	20	90	16	1420406		11	1422406	
1"	90	20	90		-		16	1422506	
1 1/4"	90	29	110	16	1420507		14	1422507	
1 1/2"	90	46	120	16	1420508		11	1422508	
2"	90	59	150	16	1420509			-	
2"	110	67	150	16	1420609		10	1422609	

1424 - Normally open Flow entry below the seat

Ø	control head	Kv (m³/h)	face to face	Min. air supply 2 bar		
				ΔP max. (bar)	code	price €
1/2"	50	5,7	65	16	1424304	
3/4"	50	10,5	75	16	1424305	
1"	63	20	90	16	1424406	
1 1/4"	63	28,5	110	16	1424407	
1 1/2"	90	46	120	16	1424508	
2"	110	67	150	16	1424609	



2014/68/EU Directive N°1115 - Risk category II - Face to face DIN 3202-4 M4 - CF8M body - PA66 actuator - PTFE-stainless steel seat - Air supply connections 1/8" - Max. air supply: 8 bar - PS: 25 bar - TS: -10°C/+180°C.



ARÈS® - Stainless steel actuated angle seat valves

1450 - Normally closed Flow entry above the seat

1454 - Normally closed Flow entry below the seat

Ø	control head	Kv (m³/h)	face to face	For compressible fluids - Min. air supply 2,5 bar			For liquids - Min. air supply 4,2 bar		
				ΔP max. (bar)	code	price €	ΔP max. (bar)	code	price €
1/2"	50	5,7	85	16	1450304		16	1454304	
3/4"	50	10,5	95	16	1450305		10	1454305	
3/4"	63	10,5	95		-		16	1454405	
1"	63	20	105	16	1450406		11	1454406	
1"	90	29	105		-		16	1454506	
1 1/4"	90	29	120	16	1450507		14	1454507	
1 1/2"	90	46	130	16	1450508		11	1454508	
2"	110	67	150		-		10	1454609	

1452 - Normally open Flow entry below the seat

Ø	control head	Kv (m³/h)	face to face	Min. air supply 2 bar		
				ΔP max. (bar)	code	price €
1/2"	50	5,7	85	16	1452304	
3/4"	50	10,5	95	16	1452305	
1"	63	20	105	16	1452406	
1 1/2"	90	46	130	16	1452508	
2"	110	67	150	16	1452609	



2 mechanical limit switch box for OMAL valves

control head	code	price €
50	985008	
63	985009	
90	985010	
110	985011	

NAMUR pad adapter for ZEUS® & ARÈS® valves

code	price €
985020N	

Solenoid pilot MH, see page 171



2014/68/EU Directive N°1115 - Risk category II - CF8M body - PA66 actuator - PTFE-stainless steel seat -
Air supply connections 1/8" - Max. air supply: 8 bar - PS: 25 bar (except 1470: PS: 16 bar) - TS: -10°C/+180°C.



ARÈS® - Stainless steel actuated angle seat valve

1470 - Normally closed - Flanged RF PN16
Flow entry below the seat



DN	control head	Kv (m³/h)	face to face	For liquids - Min. air supply 2,5 bar		
				ΔP max. (bar)	code	price €
15	50	5,7	130	16	1470304	
20	50	10,5	150	10	1470305	
25	63	20	160	11	1470406	
32	63	29	180	14	1470507	
40	90	46	200	11	1470508	
50	110	67	230	10	1470609	

1460 - Normally closed
Flow entry below the seat



NEW

Ø	control head	Kv (m³/h)	face to face	For liquids - Min. air supply 2,5 bar		
				ΔP max. (bar)	code	price €
1/2"	50	5,7	100	16	1460304	
3/4"	50	10,5	115	10	1460305	
1"	63	20	130	11	1460406	
1"1/4	90	29	145	14	1460507	
1"1/2	90	46	160	11	1460508	
2"	110	59	175	10	1460609	

not on stock, on request.

1480 - Normally closed
Flow entry below the seat



NEW

Ø	Ø ferrule	control head	Kv (m³/h)	face to face	For liquids - Min. air supply 2,5 bar		
					ΔP max. (bar)	code	price €
15	25,2	50	3,4	88,9	16	1480304	
20	25,2	50	5,7	101,6	16	1480305	
25	50,5	63	10,5	114,3	16	1480406	
40	50,5	90	29	139,7	14	1480508	
50	64	110	46,5	158,8	16	1480609	

not on stock, on request.

CF8M body & actuator - PTFE-stainless steel seat - PTFE-FKM gland pack - Orientable head - Air supply connection 1/8" -
Max. air supply: 10 bar - Not for gas of group 1 - PS: 16 bar - TS: -10°C/+180°C.



HF - Full stainless steel actuated angle seat valve



1430 - Normally closed
Flow entry above the seat

1434 - Normally closed
Flow entry below the seat



Ø	Kv (m³/h)	face to face (mm)	For compressible fluids				For liquids			
			max. ΔP (bar)	min. supply (bar)	code	price €	max. ΔP (bar)	min. supply (bar)	code	price €
1/2"	4,7	68	16	3	1430304		16	4,5	1434304	
3/4"	9,5	75	16	4	1430305		12	4,5	1434305	
1"	18,1	90	16	5,5	1430306		10	4,5	1434406	
1"1/4	23,1	112	16	5	1430407A		6	4,5	1434407A	
1"1/2	32,9	126	16	6	1430408A		10	4	1434508A	
2"	52,8	146	16	6,6	1430509A		6	4	1434509A	

CF8M body & actuator - PTFE-stainless steel seat - NBR o-ring - EPDM gland pack - Orientable head - Air supply connection 1/8" -
PS: 16 bar - TS: -10°C/+100°C.

HF 32 - Full stainless steel actuated angle seat valve



1436 - Normally closed
Flow entry below the seat



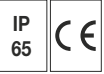
Ø	Kv (m³/h)	face to face (mm)	For liquids			
			max. ΔP (bar)	min. supply (bar)	code	price €
3/8"	4,7	74	6	5	1436303A	
1/2"	4,7	74	6	5	1436304A	
3/4"	5,4	84	4	5	1436305A	

Solenoid pilot MH,
see page 171



■ Brass solenoid valves

2014/68/EU Directive - Risk category I - 2014/35/EU Directive - 2/2 way - CW617N brass body - Stainless steel inner parts - NBR membrane / EPDM KTW for ACS valves - Coil insulation class F - T30 connector (except ESM85) - Max. room temp.: -10°C/+80°C - PS: 10 bar - TS: -5°C/+80°C (except for ESM 85: +5°C/+80°C), TS for ACS valves: +110°C.



ESM 85 - Servo-assisted

Normally closed (opening under tension) - T22 connector - Min. ΔP: 0,3 bar.

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	price €
			code	code	
3/8"	10	1,86	085001	085011	
1/2"	12	2,2	085002	085012	
3/4"	20	5,7	085003	085013	
1"	25	9,6	085004	085014	

ESM 86 - Servo-assisted

Normally closed (opening under tension) - Min. ΔP: 0,3 bar.

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	price €	48V 50Hz	12V DC	24V DC	price €	ACS certified		
			code	code		code	code	code		230V 50Hz	24V 50Hz	price €
3/8"	10	1,86	086001	086011		086031	086041	086051		-	-	
1/2"	12	2,1	086002	086012		086032	086042	086052		086502	086512	
3/4"	20	5,7	086003	086013		086033	086043	086053		086503	086513	
1"	25	9,6	086004	086014		086034	086044	086054		086504	086514	
1 1/4"	32	22	086005	086015		086035	086045	086055		-	-	
1 1/2"	39	27	086006	086016		086036	086046	086056		-	-	
2"	51	35	086007	086017		086037	086047	086057		-	-	
2 1/2"	65	63	086008	086018		086038	086048	086058		-	-	
3"	75	83	086009	086019		086039	086049	086059		-	-	

ESM 87 - Servo-assisted

Normally open (closing under tension) - Min. ΔP: 0,3 bar.

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	price €	48V 50Hz	12V DC	24V DC	price €	ACS certified		
			code	code		code	code	code		230V 50Hz	24V 50Hz	price €
3/8"	10	1,86	087001	087011		087031	087041	087051		-	-	
1/2"	12	2,1	087002	087012		087032	087042	087052		087502	087512	
3/4"	20	5,7	087003	087013		087033	087043	087053		087503	087513	
1"	25	9,6	087004	087014		087034	087044	087054		087504	087514	
1 1/4"	32	22	087005	087015		087035	087045	087055		-	-	
1 1/2"	39	27	087006	087016		087036	087046	087056		-	-	
2"	51	35	087007	087017		087037	087047	087057		-	-	
2 1/2"	65	63	087008	087018		087038	087048	087058		-	-	
3"	75	83	087009	087019		087039	087049	087059		-	-	

VSO 84 - Direct acting

Normally closed (opening under tension) - No ΔP required - Horizontal mounting, coil on the top.

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	price €	48V 50Hz	12V DC	24V DC	price €	ACS certified		
			code	code		code	code	code		230V 50Hz	24V 50Hz	price €
3/8"	10	2,2	084001	084011		084031	084041	084051		-	-	
1/2"	12	2,2	084002	084012		084032	084042	084052		-	-	
3/4"	20	5,5	084003	084013		084033	084043	084053		084503	084513	
1"	25	7,5	084004	084014		084034	084044	084054		084504	084514	
1 1/4"	32	17,5	084005	084015		084035	084045	084055		-	-	
1 1/2"	39	19,0	084006	084016		084036	084046	084056		-	-	
2"	51	32,4	084007	084017		084037	084047	084057		-	-	

⚠ Please check max. ΔP on datasheet.

STEAM

Excluded from 2014/68/EU Directive (article 4, §3) - 2014/35/EU Directive - 2/2 way - Nickel-plated CW617N brass body - Stainless steel inner parts - PTFE + graphite plug - Coil insulation class F - B12 coil - T30 connector - Room temp.: -10°C/+80°C - PS (AC): 10 bar, PS (DC): 5 bar - TS: 0°C/+180°C.



ESV 90 - Servo-assisted

Normally closed (opening under tension) - Min. ΔP: 1 bar - Horizontal mounting, coil on the top above 1".

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	price €	48V 50Hz	24V DC	price €
			code	code		code	code	
1/2"	8	1,1	088002	088012		088032	088052	
3/4"	21	6,3	088003	088013		088033	088053	
1"	21	6,3	088004	088014		088034	088054	
1 1/4"	38	20,4	088005	088015		088035	088055	
1 1/2"	38	20,4	088006	088016		088036	088056	
2"	50	34,8	088007	088017		088037	088057	





2014/35/EU Directive - 2/2 way - CW617N brass body - Stainless steel inner parts - FKM membrane - B6 coil - Max. room temp.: +80°C - TS: -10°C/+150°C.

IP 65

EV 66 – Mini solenoid valve 2/2

Normally closed (opening under tension) - No ΔP required.

Ø	bore (mm)	Kv (m³/h)	PS (bar)	230V AC	24V AC	price €	PS (bar)	24V DC	12V DC	price €
				code	code			code	code	
1/8"	3	0,17	9	083694N	083695N		5	083696N	083697N	
1/4"	4	0,25	6	083700N	083701N		4	083705N	083706N	

2014/35/EU Directive - 3/2 way - CW617N brass body - Stainless steel inner parts - FKM membrane - 1/4" F/F - 1/8" decompression outlet - Bore 2 mm - PS (AC): 10 bar, PS (DC): 7 bar - Max. room temp.: +80°C - TS: +140°C.

IP 65

EBB 62 - Normally closed

No ΔP required.

voltage	code	price €
230V AC	041800N	
24V AC	041801N	
48V AC	041802N	
110V AC	041803N	
12V DC	041806N	
24V DC	041807N	
48V DC	041808N	



EBB 61 - Normally open

No ΔP required.

voltage	code	price €
230V AC	041850N	
24V AC	041851N	
48V AC	041853N	
110V AC	041852N	
12V DC	041856N	
24V DC	041857N	



COMPRESSED AIR

2014/35/EU Directive - 2/2 way - CW617N brass body - Stainless steel inner parts - FKM membrane - Coil insulation class H - B12 coil - T30 connector - PS: 20 bar - Max. room temp.: +60°C - TS: +150°C.

IP 65

83-20 - Servo-assisted

Normally closed (opening under tension) - Min. ΔP: 0,1 bar.

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	price €	110V 50Hz	48V 50Hz	12V DC	24V DC	price €
			code	code		code	code	code	code	
1/4"	11	1,4	083000	083010		083020	083030	083040	083050	
3/8"	11	1,5	083001	083011		083021	083031	083041	083051	
1/2"	11	1,6	083002	083012		083022	083032	083042	083052	



FUEL

2014/35/EU Directive - 2/2 way - CW617N brass body - Stainless steel inner parts - FKM membrane - Coil insulation class H - B12 coil - T30 connector - Max. room temp.: +80°C - TS: +150°C.

IP 65

EST 93 - Direct acting

Normally closed (opening under tension) - No ΔP required.

Ø	bore (mm)	Kv (m³/h)	PS (bar) for AC coils	230V 50Hz	24V 50Hz	price €	110V 50Hz	48V 50Hz	PS (bar) for DC coils	12V DC	24V DC	price €
				code	code		code	code		code	code	
1/4"	3,5	0,27	15	088100	088110		088120	088130	7	088140	088150	
3/8"	3,5	0,30	15	088101	088111		088121	088131	7	088141	088151	
1/2"	5	0,48	5	088102	088112		088122	088132	3	088142	088152	



ECM 93 - Direct acting with manual override

Normally closed (opening under tension) - No ΔP required.

Ø	bore (mm)	Kv (m³/h)	PS (bar)	230V 50Hz	24V 50Hz	price €	PS (bar)	24V DC	price €
				code	code			code	
1/2"	5,7	0,48	5	088502	088512		3	088552	



Plastic solenoid valve

2014/35/EU Directive - Food grade materials with NSF approval - Push fit fast connection for 8 mm hose - 2/2 way - PPA Thermoplastic body - Stainless steel inner parts - FKM membrane - Coil insulation class H - B4 coil - T22 connector - Max. room temp.: +65°C - TS: +5°C/+65°C.

NSF IP 65

EV 791 - Direct acting with push fit connection

Normally closed (opening under tension) - No ΔP required.

Ø	bore (mm)	Kv (m³/h)	PS (bar)	230V 50Hz	24V 50Hz	price €	PS (bar)	24V DC	price €
				code	code			code	
6	2,5	0,12	8	079002N	079012N		6	079052N	
8	2,5	0,12	8	079003N	079013N		6	079053N	



■ Accessories & spare parts for Ceme solenoid valves



Electronic timer

Under tension timing control: 0,5-10 sec - Frequency control: 0,5-45 mn - Installation between coil & T30 connector - Not suitable for ESM 85 or NAMUR solenoid valves - Tensions: 24V to 230V AC/DC.

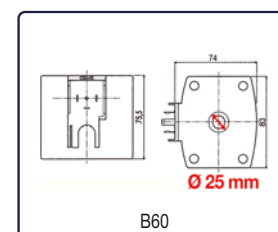
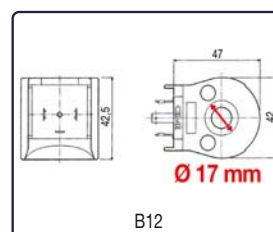
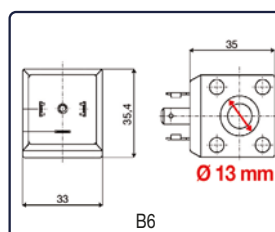
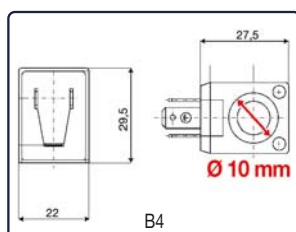
type	power (W)	solenoid valves	code	price €
T U	12	ESM, EST, ESV - VSO up to 1"	980692	
T 60	60	VSO 1"1/4 to 2"	980693	

Spare coils & connectors for CEME solenoid valves

Spare connectors

type	solenoid valve	230V 50Hz	24V 50Hz	48V 50Hz	110V 50Hz	12V DC	24V DC	230V 60Hz	24V 60Hz	price €
B4	ESM 85 - EV 791	980300	980301	-	-	-	980302	-	-	
B6	ESM 86 - EV 66 - EVB 82	980310	980311	980313	980314	980315	980316	980320	980321	
B6S	ESM 87	980330	980331	980333	980334	980335	980336	-	-	
B12	VSO 84 (3/8" to 1") ESV 90 - EST 93 - ECM 93 - 83-20	980410	980411	980413	980414	980415	980416	980420	980421	
B60	VSO 84 (1"1/4 to 2")	980510	980511	980513	980514	980515	980516	-	-	

type	code	price €
T 22	980232	
T 30	980696	
T 30	980696	
T 30	980696	
T 30	980696	



KER - Reinforced tightness set

type	solenoid valves	code	price €
B6	ESM 86, EV 66, EVB 82	980690	
B12	VSO 84 3/8"-1" - EST 93 - ESV 90 - 83-20	980691	

Spare membranes for ESM 86 & ESM 87

Ø	membrane (mm)	NBR / 80°C		EPDM / 110°C		ACS EPDM/ 90°C		FKM / 150°C	
		code	price €	code	price €	code	price €	code	price €
3/8" - 1/2"	34	980604		980614		980661		980624	
3/4"	50	980632		980642		980662		980652	
1"	60	980605		980615		980663		980625	
1"1/4	80	980634		980644		-		980654	
1"1/2	90	980606		980616		-		980626	
2"	112	980607		980617		-		980627	
2"1/2 - 3"	149	980608		-		-		-	

Spare spring

code	price €
980670	
980671	
980672	
980673	
980674	
980675	
980676	

Spare membranes for VSO 84

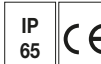
Ø	membrane (mm)	NBR / 80°C		EPDM / 110°C		ACS EPDM/ 90°C		FKM / 150°C	
		code	price €	code	price €	code	price €	code	price €
3/8" - 1/2"	33	980600		980610		-		980620	
3/4" - 1"	60	980601		980611		980660		980621	
1"1/4 - 1"1/2	90	980602		980612		-		980622	
2"1/2 - 3"	110	980603		980613		-		980623	

Spare spring

code	price €
980677	
980678	
980679	
980679	

Solenoid valves for fuel

2014/35/EU Directive - According to EN 264 - For fuel burners automatic shut off - Brass & stainless steel inner parts - NBR membrane - Normally closed (opening under tension) - Max. viscosity: 8°E - TS: -5°C/+60°C.



FUEL

MN 28

Aluminium body - PS: 8 bar.



Ø	bore (mm)	230V AC	24V AC	price €
		code	code	
3/4"	24	088203	088213	
1"	24	088204	088214	
1"1/4	32	088205	088215	
1"1/2	37	088206	088216	
2"	42	088207	088217	

not on stock,
on request.

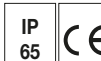
Spare coils for MN 28 solenoid valves



Voltage	code	price €
230V AC	980980	
24V AC	980981	

High pressure solenoid valves

2014/35/EU Directive - 2/2 way - Brass body - Brass and stainless steel inner parts - Normally closed (opening under tension) - Max. room temp. +60°C - Min. ΔP: 0,5 bar - TS: -10°C/+90°C.



PU 225-H

PS: 25 bar - NBR membrane.



Ø	bore (mm)	230V 50Hz	24V 50Hz	price €
		code	code	
1/2"	8	081502	081512	
3/4"	13	081503	081513	
1"	13	081504	081514	

Spare coils & connector for PU



Voltage	code	price €
230V AC	980550	
24V AC	980551	

PU 225-X

PS: 50 bar - PTFE plug.



Ø	bore (mm)	230V 50Hz	24V 50Hz	price €
		code	code	
1/2"	13	081602	081612	
3/4"	25	081603	081613	
1"	25	081604	081614	

Spare coils & connector for PU-X

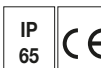


Voltage	code	price €
230V AC	980540	
24V AC	980541	

Cast iron solenoid valve



2014/68/EU Directive - Risk category I - 2014/35/EU Directive - Flanged RF PN16 - GG25 body - Epoxy coated - Brass & bronze inner parts - NBR membrane - Manual safety override - Coil insulation class F - T30 connector - Max. room temp. +60°C - Min. ΔP: 0,3 bar - PS: 16 bar - TS: -10°C/+80°C - ⚠️ Only for liquids.



EV82 - High flow

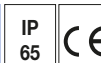


DN	face to face (mm)	Kv (m³/h)	Normally closed		price €	Normally open		price €
			230V AC	24V AC		230V AC	24V AC	
			code	code		code	code	
50	190	64	082007	082017		082007NO	082017NO	
65*	210	89	082008	082018		082008NO	082018NO	
80	225	119	082009	082019		082009NO	082019NO	
100	255	222	082010	082020		082010NO	082020NO	
125	285	333	082011	082021		082011NO	082021NO	
150	315	470	082012	082022		082012NO	082022NO	
200	420	854	082013	082023		082013NO	082023NO	

* 4 hole flanges

Stainless steel solenoid valves

Excluded from 2014/68/EU Directive (article 4, §3) - 2014/35/EU Directive - F304 body - Stainless steel inner parts - NBR membrane - Max. room temp. +60°C - PS: 6 bar - TS: -15°C/+80°C.



AM 325 - Direct acting

Normally closed (opening under tension) - No ΔP required.



Ø	bore (mm)	230V AC	24V AC	price €
		code	code	
1/4"	2	041950	041951	



Excluded from 2014/68/EU Directive (article 4, §3) - 2014/35/EU Directive - CF8M body - Stainless steel inner parts - FKM membrane - Coil insulation class F - T30 connector - PS: 8 bar - TS: -10°C/+90°C.



SPUY 220 - Direct acting

Normally closed (opening under tension) - No ΔP required.

Ø			230V AC	24V DC	price €
	bore (mm)	Kv (m³/h)	code	code	
1/2"	9,5	1,3	081202	081212	

2014/68/EU Directive - Risk category I / module A - 2014/35/EU Directive - CF8M body - Stainless steel inner parts - FKM membrane (EPDM membrane for SPU 225 & SPU 225-X on request) - Coil insulation class F - T30 connector - Horizontal mounting, coil on top - Normally closed (opening under tension) - TS: -10°C/+90°C.



SPU 220 - Direct acting

No ΔP required - Room temp.: -20°C/+60°C.

Ø			PS (bar)	230V 50/60Hz	24V 50/60Hz	price €	PS (bar)	24V DC	price €
	bore (mm)	Kv (m³/h)		code	code			code	
1/2"	13	3,2	7	081002	081012		6	081052	
3/4"	20	6,9	7	081003	081013		5	081053	



SPU 220-X - Direct acting - ATEX

No ΔP required - Room temp.: -10°C/+50°C - II 2G/D Ex c II T4 for areas 1, 21, 2 & 22 - Supplied with 3 m overmoulded wire.

Ø			PS (bar)	230V 50/60Hz	24V 50/60Hz	price €	PS (bar)	24V DC	price €
	bore (mm)	Kv (m³/h)		code	code			code	
1/2"	13	3,2	7	081102	081112		6	081152	
3/4"	20	6,9	7	081103	081113		5	081153	



SPU 225 - Servo-assisted

Min. ΔP: 0,5 bar - Room temp.: -20°C/+60°C.

Ø			PS (bar)	230V 50/60Hz	24V 50/60Hz	24V DC	price €
	bore (mm)	Kv (m³/h)		code	code	code	
3/8"	13	3,4	10	080001	080011	080051	
1/2"	13	3,4	10	080002	080012	080052	
3/4"	25	8,9	10	080003	080013	080053	
1"	25	8,9	10	080004	080014	080054	
1 1/4"	38	15,8	10	080005	080015	080055	
1 1/2"	38	21,3	10	080006	080016	080056	
2"	50	34,1	10	080007	080017	080057	



SPU 225-X - Servo-assisted

Min. ΔP: 0,5 bar - Room temp.: -10°C/+50°C - II 2G/D Ex c II T4 for areas 1, 21, 2 & 22 - Supplied with 3 m overmoulded wire.

Ø			PS (bar)	230V 50/60Hz	24V 50/60Hz	24V DC	price €
	bore (mm)	Kv (m³/h)		code	code	code	
3/8"	13	3,4	10	080101	080111	080151	
1/2"	13	3,4	10	080102	080112	080152	
3/4"	25	8,9	10	080103	080113	080153	
1"	25	8,9	10	080104	080114	080154	
1 1/4"	38	15,8	10	080105	080115	080155	
1 1/2"	38	21,3	10	080106	080116	080156	
2"	50	34,1	10	080107	080117	080157	



Spare coils for SPU and SPU-X solenoid valves

	230V 50Hz	24V 50Hz	48V 50Hz	110V 50Hz	12V DC	24V DC	price €
type	code	code	code	code	code	code	
SPU	980550	980551	980553	980554	980556	980552	
SPU-X*	980540	980541	-	-	-	980542	

* II 2G/D Ex m II T4.



Spare membranes for SPU 225 and SPU 225-X solenoid valves

Ø	FKM		EPDM	
	code	price €	code	price €
3/8"	980570		980585	
1/2"	980570		980585	
3/4"	980571		980586	
1"	980571		980586	
1 1/4"	980572		980587	
1 1/2"	980573		980588	
2"	980574		980589	

Spare connector

type	code	price €
T 30	980696	



Spare membranes for SPU 220 and SPU 220-X

Ø	code	price €
1/2"	980580	
3/4"	980581	

Filter cleaning solenoid valves



For dust collector application, especially reverse pulse jet filter cleaning - Fast opening - High flow - Cast aluminium body - Stainless steel inner parts - NBR membrane - Room temperature: -20°C/+60°C - PS: 7,5 bar - TS: -20°C/+120°C.

IP 65



VNP - Servo-assisted

Normally closed (opening under tension) - Min. ΔP: 0,5 bar.

Ø	type	Kv (m³/h)	230V 50/60Hz		24V 50/60Hz	price €
			code	code	code	
3/4"	VNP 206	10	089303	089313		
1"	VNP 208	21	089304	089314		
1 1/2"	VNP 212	37	089305	089315		
1 1/2"	VNP 214	44	089306	-		

Spare membranes for VNP



Ø	code	price €
3/4"	980190	
1"	980191	
1 1/2"	980192	



VEM - Operated by solenoid valve

Normally closed (opening under tension) - Min. ΔP: 0,5 bar.

Ø	type	Kv (m³/h)	code	price €
3/4"	VEM 206	10	0894206	
1"	VEM 208	21	0894208	
1 1/2"	VEM 212	37	0894212	
1 1/2"	VEM 214	44	0894214	
2"	VEM 216	78	0894216	
2 1/2"	VEM 220	86	0894220	

not on stock, on request.



Spare coils & connector for VNP

230V 50/60Hz	24V 50/60Hz	24V DC	price €
code	code	code	
980564	980565	980566	

Electric actuated valves

Compact electric actuated ball valves

Ball valves equipped with compact actuator - 90° operating angle - Plastic enclosure - Steel reducing gears - Position indicator - 2 thread wiring - 1,5 m wire - Full bore - Room temp.: -10°C/+55°C - PS: 10 bar - TS: 0°C/+90°C.



Lyva 2 NC - Brass ball valve - Normally closed

CW617N body - F304 ball - PTFE seats - Stem tightness: EPDM.



Ø	power	code	price €
1/2"	24V AC/DC	89221C0232	
3/4"	24V AC/DC	89221C0233	
1"	24V AC/DC	89221C0234	

Ø	power	code	price €
1/2"	230V AC	89221C0252	
3/4"	230V AC	89221C0253	
1"	230V AC	89221C0254	

Lyva 2 NO - Brass ball valve - Normally open

CW617N body - F304 ball - PTFE seats - Stem tightness: EPDM.



Ø	power	code	price €
1/2"	24V AC/DC	89222C0232	
3/4"	24V AC/DC	89222C0233	
1"	24V AC/DC	89222C0234	

Ø	power	code	price €
1/2"	230V AC	89222C0252	
3/4"	230V AC	89222C0253	
1"	230V AC	89222C0254	

Lyva 3 NC - Stainless steel ball valve - Normally closed

CF8M body & ball - PTFE seats - Stem tightness: EPDM.



Ø	power	code	price €
1/2"	24V AC/DC	89321C0232	
3/4"	24V AC/DC	89321C0233	
1"	24V AC/DC	89321C0234	

Ø	power	code	price €
1/2"	230V AC	89321C0252	
3/4"	230V AC	89321C0253	
1"	230V AC	89321C0254	

Lyva 3 NC - Stainless steel ball valve - Normally closed with manual override

CF8M body & ball - PTFE seats - Stem tightness: EPDM.



Ø	power	code	price €
1/2"	24V AC/DC	89321C0262	
3/4"	24V AC/DC	89321C0263	
1"	24V AC/DC	89321C0264	

Lyva 3 NO - Stainless steel ball valve - Normally open

CF8M body & ball - PTFE seats - Stem tightness: EPDM.



Ø	power	code	price €
1/2"	24V AC/DC	89322C0232	
3/4"	24V AC/DC	89322C0233	
1"	24V AC/DC	89322C0234	

Ø	power	code	price €
1/2"	230V AC	89322C0252	
3/4"	230V AC	89322C0253	
1"	230V AC	89322C0254	

Aluminium actuators

Valve mounting acc. to ISO 5211 - II 2G h for areas 1 & 2 - Solenoid pilot valve connection acc. to NAMUR VDI/VDE 3845 - Rack and pinion actuator - 90° operating angle (adjustable limit screws $\pm 5^\circ$) - Aluminium body & caps - Aluminium piston - Position indicator - Environment working temp.: -20°C/+80°C - Max. air supply: 8 bar - Air supply connection 1/4".



NKD - Double acting

type	avail. torque (Nm) at air supply 6 bar	ISO		VDI/VDE	code	price €
NKD052	24	F03/F05	11	NAMUR 1	010002	
NKD063	44	F05/F07	14	NAMUR 1	010003	
NKD083	94	F05/F07	17	NAMUR 1	010005	

NKS - Spring return

type	avail. torque (Nm) at air supply 6 bar	ISO		VDI/VDE	code	price €
	air opening	spring closing				
NKS052	14	10	F03/F05	11	NAMUR 1	010102
NKS063	27	16	F05/F07	14	NAMUR 1	010103
NKS083	56	38	F05/F07	17	NAMUR 1	010105
NKS092	79	56	F05/F07	17	NAMUR 1	010106
NKS105	122	76	F07/F10	22	NAMUR 1	010107SE

Design acc. to EN 15714-3 - II 2G/D c for areas 1, 2, 21 & 22 - SIL 2 (& SIL 3 capable) - Valve mounting acc. to ISO 5211 - Limit switch box bracket connection & solenoid pilot valve connection acc. to NAMUR VDI/VDE 3845 - Rack and pinion actuator - 90° operating angle (adjustable limit screws $\pm 5^\circ$) - Anodized aluminum body - Epoxy coated aluminium caps - Position indicator - Environment working temp.: -30°C/+100°C - Max. air supply: 8 bar - Air supply connection 1/4".



ADA - Double acting

type	avail. torque (Nm) at air supply 6 bar	ISO pad		VDI/VDE	code	price €	Standard gaskets set code price €
ADA20	19	F05	14	NAMUR 2	015100B		041150B
ADA40	41	F05	14	NAMUR 2	015101B		041151B
ADA80	77	F05/F07	17	NAMUR 2	015102B		041152B
ADA130	118	F05/F07	17	NAMUR 2	015103B		041153B
ADA200	175	F07/F10	17	NAMUR 2	015104B		041154B
ADA300	291	F07/F10	22	NAMUR 2	015105B		041155B
ADA500	433	F10	22	NAMUR 2	015106B		041156B
ADA850	718	F10/F12	27	NAMUR 2	015107B		041157B
ADA1200	1038	F10/F14	36	NAMUR 2	015108B		041158B
ADA1750	1413	F14	36	NAMUR 2	015109B		041159B

■ not on stock, on request.



ASR - Spring return

type	avail. torque (Nm) at air supply 6 bar	ISO pad		VDI/VDE	code	price €	Standard gaskets set code price €
	air opening	spring closing					
ASR20	14	7	F05	14	NAMUR 2	016100B	041150B
ASR40	26	17	F05	14	NAMUR 2	016101B	041151B
ASR80	51	30	F05/F07	17	NAMUR 2	016102B	041152B
ASR130	80	45	F05/F07	17	NAMUR 2	016103B	041153B
ASR200	113	73	F07/F10	17	NAMUR 2	016104B	041154B
ASR300	190	119	F07/F10	22	NAMUR 2	016105B	041155B
ASR500	283	177	F10	22	NAMUR 2	016106B	041156B
ASR850	488	371	F10/F12	27	NAMUR 2	016107B	041157B
ASR1200	698	400	F10/F14	36	NAMUR 2	016108B	041158B
ASR1750	877	630	F14	36	NAMUR 2	016109B	041159B

■ not on stock, on request.



Design acc. to EN 15714-3 - C € II 2G/D c for areas 1, 2, 21 & 22 - SIL 2 (& SIL 3 capable) - Valve mounting acc. to ISO 5211 - Limit switch box bracket connection & solenoid pilot valve connection acc. to NAMUR VDI/VE 3845 - Rack and pinion actuator - 90° operating angle (adjustable limit screws ±5°) - Anodized aluminum body - Epoxy coated aluminium caps - Position indicator - Environment working temp.: -20°C/+80°C - Max. air supply: 8 bar - Air supply connection 1/4".



RE - Double acting

type	avail. torque (Nm) at air supply 6 bar	ISO		VDI/VE	code	price €	Standard gaskets set	
							code	price €
RE43	13	F03/F05	11	NAMUR 1	017004RE		041243	
RE51	20,1	F03/F05	11	NAMUR 1	017006RE		041244	
RE64	35,5	F05	14	NAMUR 1	017007RE		041245	
RE76	70,6	F05/F07	17	NAMUR 1	017008RE		041246	
RE86	103,4	F05/F07	17	NAMUR 1	017009RE		041247	
RE101	164,8	F07/F10	17	NAMUR 1	017010RE		041248	
RE116	262,3	F07/F10	22	NAMUR 3	017011RE		041249	
RE126	339,8	F07/F10	22	NAMUR 3	017012RE		041250	
RE146	530,1	F10/F12	27	NAMUR 3	017013RE		041251	
RE161	689,2	F12	27	NAMUR 4	017014RE		041252	
RE181	939,4	F14	36	NAMUR 4	017015RE		041253	
RE201	1292,0	F14	36	NAMUR 4	017016RE		041254	
RE241	2235,0	F14	36	NAMUR 4	017018RE		041255	
RE271	3235,0	F16	36	NAMUR 4	017017RE		041256	

not on stock, on request.

RES - Spring return

type	avail. torque (Nm) at air supply 6 bar	ISO		VDI/VE	code	price €	Standard gaskets set	
	air opening	spring closing					code	price €
RES43	8,1	5	F03/F05	11	NAMUR 1	017104RE	041243	
RES51	11,6	8,5	F03/F05	11	NAMUR 1	017106RE	041244	
RES64	21,4	14,1	F05	14	NAMUR 1	017107RE	041245	
RES76	42,1	28,5	F05/F07	17	NAMUR 1	017108RE	041246	
RES86	67,7	35,7	F05/F07	17	NAMUR 1	017109RE	041247	
RES101	100,2	64,6	F07/F10	17	NAMUR 1	017110RE	041248	
RES116	161,4	100,9	F07/F10	22	NAMUR 3	017111RE	041249	
RES126	210	129,8	F07/F10	22	NAMUR 3	017112RE	041250	
RES146	324,9	205,2	F10/F12	27	NAMUR 3	017113RE	041251	
RES161	405,3	283,8	F12	27	NAMUR 4	017114RE	041252	
RES181	561,1	376,3	F14	36	NAMUR 4	017115RE	041253	
RES201	772,3	519,6	F14	36	NAMUR 4	017116RE	041254	

Same features as RE / RES pneumatic actuator except:

- RE PTFE / RES PTFE: PTFE coated aluminium caps and stainless steel shaft - C5M protection acc. to ISO 12944.
- APINOX: full stainless steel body - 90° operating angle, no adjustable limit screws.



RE PTFE - Double acting

type	avail. torque (Nm) at air supply 6 bar	ISO		VDI/VE	code	price €
RE43 PTFE	13	F03/F05	11	NAMUR 1	017034	
RE51 PTFE	20,1	F03/F05	11	NAMUR 1	017036	
RE64 PTFE	35,5	F05	14	NAMUR 1	017037	
RE76 PTFE	70,6	F05/F07	17	NAMUR 1	017038	

RES PTFE - Spring return

type	avail. torque (Nm) at air supply 6 bar	ISO		VDI/VE	code	price €
	air opening	spring closing				
RESR51 PTFE	11,6	8,5	F03/F05	11	NAMUR 1	017136
RESR64 PTFE	21,4	14,1	F05	14	NAMUR 1	017137
RESR76 PTFE	42,1	28,5	F05/F07	17	NAMUR 1	017138
RESR86 PTFE	67,7	35,7	F05/F07	17	NAMUR 1	017139

APINOX - Full stainless steel

double acting	ISO		code	price €	spring return	ISO		code	price €
AP42	F03/F05	11	017204		APS42	F03/F05	11	017304	
AP50	F03/F05	11	017206		APS50	F03/F05	11	017306	
AP63	F05	14	017207		APS63	F05	14	017307	
AP75	F05/F07	17	017208		APS75	F05/F07	17	017308	
AP85	F05/F07	17	017209		APS85	F05/F07	17	017309	
AP100	F07/F10	22	017210		APS100	F07/F10	22	017310	
AP115	F07/F10	22	017211						
AP125	F07/F10	22	017212						

not on stock,
on request.

Other type on request





CE II 2G/D - SIL 2 (& SIL 3 capable) - Valve mounting acc. to ISO 5211 - Limit switch box bracket connection & solenoid pilot valve connection acc. to NAMUR VDI/VDE 3845 - Rack & pinion actuator - 90° operating angle (adjustable limit screws -5°/+10° & +80°/+95° for types 0025 to 0600, and from -3°/+10° & +80°/+93° for types 0950 to 4000) - Chrome-plated & polyurethane coated aluminium body & caps - Position indicator - Environment working temp. -20°C/+80°C - Max. air supply: 8 bar - Air supply connection: 1/4".



PD - Double acting

type	avail. torque (Nm) at air supply 6 bar	ISO pad	□	VDI/VDE	code	price €
PD0012	15	F04	9	31x41	PD0012	
PD0025	27	F05/F03	11	30x80	PD0025	
PD0040	51	F05/F07	14	30x80	PD0040	
PD0065	77	F05/F07	14	30x80	PD0065	
PD0100	115	F07/F05	17	30x80	PD0100	
PD0150	183	F07/F10	17	30x80	PD0150	
PD0200	251	F10/F07	22	30x80	PD0200	
PD0350	436	F10/F07	22	30x80	PD0350	
PD0600	741	F12/F10	27	30x130	PD0600	
PD0950	1107	F14/F10	36	30x130	PD0950	
PD1600	1829	F16	46	30x130	PD1600	
PD2500	2922	F16	46	30x130	PD2500	
PD4000	4954	F25	55	30x130	PD4000	



PE - Spring return

type	avail. torque (Nm) at air supply 6 bar		ISO pad	□	VDI/VDE	springs/ combination	code	price €
	air opening	air closing						
PE0012	10	7	F04	9	31x41	2/N20	PE0012	
PE0025	16	8	F05/F03	11	30x80	10/N50	PE0025	
PE0040	30	16	F05/F07	14	30x80	10/N50	PE0040	
PE0065	45	23	F05/F07	14	30x80	10/N50	PE0065	
PE0100	68	36	F07/F05	17	30x80	10/N50	PE0100	
PE0150	109	59	F07/F10	17	30x80	10/N50	PE0150	
PE0200	148	78	F10/F07	22	30x80	10/N50	PE0200	
PE0350	260	141	F10/F07	22	30x80	10/N50	PE0350	
PE0600	439	235	F12/F10	27	30x130	10/N50	PE0600	
PE0950	683	410	F14/F10	36	30x130	5/N50	PE0950	
PE1600	1149	658	F16	46	30x130	5/N50	PE1600	
PE2500	1900	1187	F16	46	30x130	5/N50	PE2500	
PE4000	3047	1961	F25	55	30x130	5/N50	PE4000	

⚠ Please consult for other spring combinations.

Plastic actuators

CE II 2 GD c T6 - SIL 2 (& SIL 3 capable) - Valve mounting acc. to ISO 5211 - Limit switch box bracket connection acc. to NAMUR 1 - Solenoid pilot connection acc. to NAMUR VDI/VDE 3845 - Rack and pinion actuator - 90° operating angle - Reinforced fiberglass polyamide body - Position indicator - TS: -32°C/+90°C - Max. air supply: 8 bar - Air supply connection 1/4".

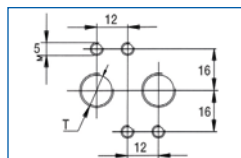


PP - Double acting

type	avail. torque (Nm) at air supply 6 bar	ISO	⊗	VDI/VDE	code	price €	Standard gaskets set	
							code	price €
PPW	17	F04	11	NAMUR 1	012100		041110	
PP00	25	F05	14	NAMUR 1	012103		041111	
PP10	71	F05/F07	17	NAMUR 1	012106		041112	
PP20	165	F07	22	NAMUR 1	012109		041113	

PPS - Spring return

type	avail. torque (Nm) at air supply 6 bar		ISO	⊗	VDI/VDE	code	price €	Standard gaskets set	
	air opening	spring closing						code	price €
PPWS	10,6	6,5	F04	11	NAMUR 1	012120		041110	
PP00S	13,7	11,3	F05	14	NAMUR 1	012123		041111	
PP10S	40,2	30,8	F05/F07	17	NAMUR 1	012126		041112	
PP20S	101,3	64,2	F07	22	NAMUR 1	012129		041113	



Namur solenoid pilot valves

Namur interface - Anodized aluminium body - NBR sealing - 3/2-5/2 ways / solenoid operated / Spring return (except ref. 4220: 5/2 ways - dual solenoids operated) - Operating pressure: 2 bar to 10 bar (except CY: 1,5 bar to 8 bar) - SIL 2 (& SIL 3 capable) - IP65 coil.



CY - Monostable SHAKO 3/2-5/2

Flowrate: 500 l/min - Operating pressure: 1,5 to 8 bar - 1/4" inlet & outlet ports - Manual override - TS: -10°C/+50°C.

voltage	code	price €
230V AC	042190	
24V DC	042191	

Spare coil + connector

For CY solenoid pilot valves

voltage	code	price €
230V AC	980260	
24V AC	980263	
24V DC	980261	



551 - Monostable ASCO 551 3/2-5/2

1/4" inlet & 1/8" outlet ports - TS: -25°C/+60°C.

voltage	code	price €
230V AC	041640	
24V AC	041641	
110V AC	041642	
24V DC	041644	

Spare coil + connector

For 551 solenoid pilot valves

voltage	code	price €
230V AC	980200	
24V AC	980201	
24V DC	980205	
12V DC	980204	

Parker 4212 - Monostable LUCIFER 341N05 3/2-5/2

1/4" inlet & outlet ports - TS: -10°C/+50°C.

voltage	code	price €
230V AC	042120	
24V AC	042121	
48V AC	042122	
110V AC	042123	
12V DC	042124	
24V DC	042125	

Parker 4221 - Bistable LUCIFER 347N03 5/2

1/4" inlet & 1/8" outlet ports - TS: -20°C/+50°C.

voltage	code	price €
230V AC	042210	
24V AC	042211	
48V AC	042212	
110V AC	042213	
24V DC	042215	

Namur interface - ATEX protection - SIL 2 (& SIL 3 capable) - Anodized aluminium body - NBR sealing - 3/2-5/2 ways / solenoid operated / Spring return - Operating pressure: 2 bar to 10 bar - 1/4" inlet port & 1/8" outlet port. TS ASCO: -25°C/+60°C ; TS LUCIFER: -20°C/+50°C (except 4240: -25°C/+80°C).



4280 - Monostable ASCO 551-LPKF

CE ⚡ II 2 G Ex d IIB+H2 / CE ⚡ II 2 D Ex tb IIIC Db IP67 for areas 1-21 & 2-22.

voltage	code	price €
230V AC	042800	
24V AC	042801	
24V DC	042805	

4282 - Monostable ASCO 551-PV

CE ⚡ II 2 G Ex mb IIC T4 Gb / CE ⚡ II 2 D Ex mb IIIC T100°C Db IP67 - For areas 1-21 & 2-22 - With 2 m overmoulded wire.

voltage	code	price €
230V AC	042820	
24V AC	042821	
24V DC	042825	



4283 - Monostable ASCO 551-LISC

CE ⚡ II 1 G Ex ia IIC T6 Ga / CE ⚡ II 2 D Ex ib IIIC T85°C Db IP67 for area 0-20, 1-21 & 2-22.

voltage	code	price €
24V DC	042835	

4281 - Monostable ASCO 551-WBLP

CE ⚡ II 2 G Ex e mb IIC / CE ⚡ II 2 D Ex tb IIIC IP67 for areas 2-22.

voltage	code	price €
230V AC	042810	
24V AC	042811	
24V DC	042815	

Parker 4231 - Monostable LUCIFER 341N35

CE ⚡ II 2 GD Ex me II T4 IP66/IP67 for areas 1-21 & 2-22.

voltage	code	price €
230V AC	042310	
24V AC	042311	
24V DC	042312	

Parker 4251 - Monostable LUCIFER 341N35

CE ⚡ II 2 GD Ex md IIC T4 IP66/IP67 for areas 1-21 & 2-22.

voltage	code	price €
230V AC	042510	
48V AC	042513	



Parker 4240 - Monostable LUCIFER 341N3190

CE ⚡ II 1 GD Ex ia IIC T6 IP67 for areas 0-20.

voltage	code	price €
24V DC	042403	

Parker 4271 - Monostable LUCIFER 341N05

CE ⚡ II 3 GD Ex nAC IIC T5 IP65 for areas 2-22.

voltage	code	price €
230V AC	042710	
24V AC	042711	
110V AC	042713	
24V DC	042712	

Accessories for Namur solenoid pilot valves

NAMUR quick exhaust

For spring return actuator



type	code	price €
NX1	041503B	

NAMUR flow regulator



type	actuator	code	price €
NF2	double acting	041506	
NF3	spring return	041507	

NAMUR adapter



type	code	price €
2x 1/4" NPT	041508	
ISO T1	041200	

Brass silencer



Ø	code	price €
1/8"	041192	
1/4"	041193	
3/8"	041198	
1/2"	041300	

Brass quick exhaust

PS: 12 bar - TS: +80°C.



Ø	code	price €
1/4"	21661022	
1/2"	21661024	

Brass throttle valve



Ø	code	price €
1/8"	041196	
1/4"	041195	

Stainless steel silencer



Ø	code	price €
1/8"	041191	
1/4"	041197	
3/8"	041189	
1/2"	041190	
3/4"	041188	

Stainless steel quick exhaust

PS: 2-10 bar - TS: -20°C/+80°C.



Ø	code	price €
1/4"	041510	
3/8"	041511	
1/2"	041512	
3/4"	041513	

Brass NPT/BSP adapter



Ø	code	price €
1/4"	21300202	

Solenoid pilot valves 3/2

EBB 62 - Normally closed



EBB 61 - Normally open

CW617N brass body - 1/4" F/F - 1/8" decompression outlet - Bore 2 mm - PS (AC): 10 bar, PS (DC): 7 bar - TS: 140°C.



voltage	NC code	price €	NO code	price €
230V AC	041800N		041850N	
24V AC	041801N		041851N	
48V AC	041802N		041853N	
110V AC	041803N		041852N	
12V DC	041806N		041856N	
24V DC	041807N		041857N	
48V DC	041808N		-	

MH - 3/2 function

Anodised aluminium body - 1/8" M/F - Bore 1,2 mm - Manual setting & adjustable fitting - PS: 10 bar - TS: -10°C/+50°C.



voltage	code	price €
230V AC	041901B	
24V AC	041902B	
24V DC	041903B	
coil 230V AC	980222B	
coil 24V AC	980223B	
coil 24V DC	980224B	
fitting M1/4"-F1/8"	21040201	

Positioners

R 99 - Positioner for 1/4 turn valves

Aluminium body - Polycarbonate enclosure - IP 54 (IP 65 on request) - Max. air supply: 10 bar - Air supply connection 1/4" NPT - Pneumatic signal 3-15 psi or electric signal 4-20 mA (0-10V on request) - PG9 connection - Position indicator - Includes pressure gauges box & Universal bracket Namur 1, 2 & 3.



type	amb. temp.	code	price €
R99P Pneumatic DA / SR	-20°C/+70°C	3260210M	
R99E Electropneumatic DA / SR 4-20 mA	-20°C/+70°C	3260220M	

⚠ Mounting & tubing not included, see below.

PTL7 - Limit switch box

Aluminium body - IP65 - Mounting on NAMUR actuator & R 99 positionner - Position indicator - PG9 connection - Universal bracket NAMUR 1, 2 & 3 included.



type	amb. temp.	code	price €
PTL7 T Position transmitter 4-20 mA	-20°C/+70°C	3260240	
PTL7 E 2 electric switches	-20°C/+70°C	3260244	

YT 3300 - Smart positioner for 1/4 turn valves

Aluminium body and enclosure - IP66 - Air supply between 1,4bar & 7 bar. Air supply connection 1/4" NPT - Electric signal 4-20 mA - PID control - Position indicator - Local control unit - LCD screen - Self-calibration function - Includes pressure gauges box & Universal bracket Namur 1, 2 & 3.



type	amb. temp.	code	price €
YT 3300R Electropneumatic 4-20mA	-30°C/+85°C	3267001	

⚠ Mounting & tubing not included, see below.

Mounting & tubing for R99 & YT 3300 positioners

Rilsan tubing, brass fittings.

Actreg actuators	Alphair actuators	code	price €
-	RE51 AP42-AP50	999TUBPOS1	
All	RE64-RE201 AP63-AP200	999TUBPOS2	
-	- AP240-AP330	999TUBPOS3	

Limit switch boxes

Aluminium limit switch boxes



APL 210 - Limit switch box IP67 for Actreg & NK actuators

Epoxy coated aluminium housing - 3D position indicator - Without gland pack & cap - Includes stainless steel bracket.

IP
67

type	switches	code	price €
APL 210	2 SPDT mechanical switches 250V AC - 3A - For ADA/ASR actuators	0460000N	
APL 210	2 SPDT mechanical switches 250V AC - 3A - For NKD/NKS actuators	0460001N	



SF - Limit switch box IP67

Polyester coated aluminium box & cover - Stainless steel stem - Adjustable 3D position indicator - 2 wire inlets M20 x 1,5 - F05 ISO pad - Stem VDI/VDE 3845 - **Without gland pack, cap & bracket.** SIL 2 (& SIL 3 capable).

SIL
2

IP
67

type	switches	amb. temp.	code	price €
SF 01200	2 SPDT silver plated mechanical switches 250V AC - 5A	-20°C/+80°C	0462012	
SF 73200	2 inductive detectors 3 threads PNP 10-30V DC P+F NBB2 V3 E2	-20°C/+70°C	0462732	
SF 75200	2 inductive detectors 2 threads NO/NC 5-36V DC IFM IS 5026	-20°C/+80°C	0462752	
SF 83200	2 inductive detectors 2 threads NO 5-60V DC P+F NBB3 V3 Z4	-20°C/+80°C	0462832	
	Indicator for 3 way L valves		980186	
	Indicator for 3 way T valves		980187	

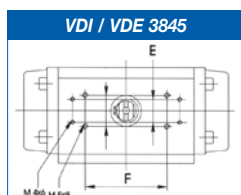


500 - Stainless steel mounting set for SF limit switch boxes

Includes bracket VDI/VDE 3845, gland pack & cap M20.

Spare gland pack & cap

Polyamide - TS: -30°C/+100°C.



type	length F (mm)	width E (mm)	height (mm)	stem height (mm)	code	price €
Kit NAMUR 0	50	25	46	20	050210	
Kit NAMUR 1	80	30	45	20	050072	
Kit NAMUR 2	80	30	55	30	050061	
Kit NAMUR 3	130	30	55	30	050073	
Kit NAMUR 4	130	30	75	50	050081	



For wires Ø 3,5-8 mm	code	price €
Gland pack M20 x 1,5	980181	
Cap M20 x 1,5	980182	

ATEX limit switch boxes

SF-3GD - Limit switch box IP65 ATEX Ex "n"

Polyester coated polyester aluminium box & cover - Stainless steel stem - Adjustable 3D position indicator - 2 wire inlets M20 x 1,5 - F05 ISO pad - Stem VDI/VDE 3845 - **Without gland pack, cap & bracket.**

SF3D: C € II 3D Ex tD A22 IP65 T85°C - SF3G: C € II 3G Ex nA IIC T6 & C € II 3D Ex tD A22 IP65 T80°C.

SIL 2 (& SIL 3 capable).

SIL
2

IP
65

Ex
Zones
2, 22

type	switches	zones	Amb. temp.	code	price €
SF3D 01200	2 SPDT silver plated mechanical switches 250V AC - 5A	22	-20°C/+60°C	0476012	
SF3G 6H200	2 inductive detectors 3 threads PNP 10-30V DC P+F NBB2 V3 E2	2 & 22	-20°C/+41°C	0476010	



SIB - Limit switch box IP67 ATEX Ex "ia"

ATEX certification for complete box & switches - Aluminium box - Anti-UV polycarbonate cover - Adjustable 3D position indicator - **Without gland pack, cap & bracket.**

C € II 2G Ex ia IIC T6 Gb & C € II 2D Ex ia IIb T44°C Db IP65-67. SIL 2 (& SIL 3 capable).

SIL
2

IP
67

Ex
Zones
1, 21, 2, 22

type	switches	Amb. temp.	code	price €
SIB 70221-2	2 inductive detectors NAMUR P+F NJ2 V3N / N - NO	-20°C/+80°C	04747022	



SK - Limit switch box IP67 anti-explosion IIC

Polyester coated aluminium box & cover - Stainless steel stem - Adjustable 3D position indicator - 2 wire inlets 1/2" NPT - Universal adjustable bracket VDI/VDE 3845 for NAMUR 1, 2, 3 & 4 - **Without gland pack & cap.** C € II 2G Ex d IIC T6/T5/T4 & C € II 2D Ex tb IIIC T85°/100°C/135°C Db IP66-67. SIL 2 (& SIL 3 capable).

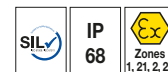
SIL
2

IP
67

Ex
Zones
1, 21, 2, 22

type	switches	amb. temp	code	price €
SK 01200	2 SPDT silver plated mechanical switches 250V AC - 5A / 24V DC-3A	-20°C/+80°C	0477012	





SY - Limit switch box IP68 anti-explosion IIC

Coated polyester aluminium box & cover - Stainless steel stem - Adjustable 3D position indicator - 2 inlets M25 x 1,5 - F05 ISO pad - Stem VDI/VDE 3845 - **Without gland pack, cap & bracket.**
 C € II 2G Ex d IIC T6/T5/T4 & C € II 2D Ex tb IIIC T110°/110°C/140°C Db IP68. SIL 2 (& SIL 3 capable).

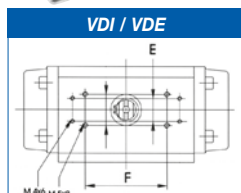


type	switches	amb. temp.	code	price €
SY 01200-8	2 SPDT silver plated mechanical switches 250V AC - 5A	-20°C/+80°C	0475012	
	Indicator for 3 way L valves		980186	
	Indicator for 3 way T valves		980187	



615 - Stainless steel bracket VDI/VDE 3845 for SF, SIB & SY limit switch boxes

type	length F (mm)	width E (mm)	stem height (mm)	height (mm)	code	price €
NAMUR 1	80	30	45	20	061659N	
NAMUR 2	80	30	55	30	061615N	
NAMUR 3	130	30	55	30	061660N	
NAMUR 4	130	30	75	50	061662N	



Spare gland packs & caps

For wires Ø 3,2-8,7 mm	code	price €
polyamide & glass fiber		
Gland pack ATEX SI M20 x 1,5	980185	
Cap M20 x 1,5	980182	
chrome-plated brass		
Gland pack ATEX ADF 1/2" NPT	980176	
Cap ATEX ADF 1/2" NPT	980178	
Gland pack ATEX ADF M20 x 1,5	980179	
Cap ATEX ADF M20 x 1,5	980169	
Gland pack ATEX ADF M25 x 1,5	980165	
Cap ATEX ADF M25 x 1,5	980164	

Position detectors

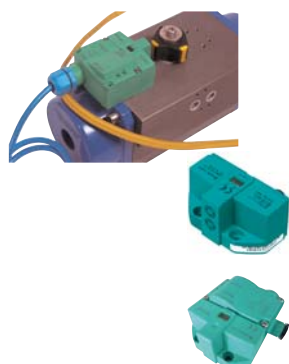
Inductive position detector IFM



type	switches	amb. temp.	code	price €
IN 5225	Dual detector - IP 67 - 10-36V DC - 2 NO outlets - With base for M12 connector	-25°C/+80°C	121138N	
EVC 811	M12 connector for IN 5225		121148	
IN 0108	Dual detector - IP 67 - 20-250V AC/DC - 2 NO outlets - With base for M18 connector	-25°C/+80°C	121134N	
E 10013	M18 connector for IN 0108		121137	
IN 0110	Dual detector - IP 67 - 20-250V AC/DC - 2 NO outlets - With 2 m wire	-25°C/+80°C	121133N	
Inductive position detector IFM with terminal chamber				
IN 0131	Dual detector - IP 67 - 20-250 V AC/DC - 2 NO outlets - With base for M20 gland pack	-25°C/+70°C	121279N	
IN 5334	Dual detector - IP 67 - 10-36V DC - 2 NO outlets - With base for M12 + M25 connectors	-25°C/+70°C	121280N	
IN 5409	Dual detector - IP 67 - 10-30V DC - 2 NO outlets - With base for M20 gland pack	-25°C/+70°C	121281N	
ATEX inductive position detector IFM				
NN 5013	Dual detector - ATEX EX ia IIC T6 - IP67 - 8V DC - 2 NC outlets - With base for M18 connector	-20°C/+70°C	121135N	
E 1003A	M18 angle connector for NN 5013 - ATEX EX ia IIC T6		121145	
NN 5008	Dual detector - ATEX EX ia IIC T6 - IP67 - 8V DC - 2 NC outlets - With base for M12 connector	-20°C/+70°C	121146N	
ENC 04A	M12 angle connector for NN 5008 - ATEX EX ia IIC T6		121140	
Detector cam for inductive position detector IFM				
E17327 Ø65	Detector cam for ADA/ASR (Actreg) actuators		121270	
E12517 Ø53	Detector cam for RE43 to RE101 (Alphair) actuators		121271	
E17328 Ø102	Detector cam for RE116 to RE201 (Alphair) actuators		121274	

not on stock, on request.

Inductive position detector P+F

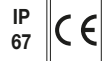


type	switches	amb. temp.	code	price €
NBN3-F31-Z8-V1	Dual detector - IP 67 - 6-60V DC - 2 NO outlets - With base for M12 connector	-25°C/+70°C	121131	
Inductive position detector P+F with terminal chamber				
NBN3-F31K-E8-K	Dual detector - IP 67 - 10-30V DC - 2 PNP inlets & solenoid pilot valve outlet - With base for M12 + M20 gland pack - ⚠ Not for ADA/ASR (Actreg) actuators	-25°C/+70°C	122133	
ATEX inductive position detector P+F				
NCN3-F31K-N4-K	Dual detector - ATEX EX ia IIC T6 - IP 67 - 8V DC - 2 NC outlets - With base for M12 + M20 gland pack		122136	
Detector cam for inductive position detector P+F				
BT65A	Cam P+F Namur 1 & 2		122131	
BT115A	Cam P+F Namur 3 & 4		122132	

Quarter-turn actuators - HVAC - IP67

Specifications: Compact type - 90° operating angle ($\pm 2^\circ$) - ISO 5211 pad, star connection - ABS plastic enclosure - Steel reducing box - Room temp.: $-15^\circ\text{C}/+50^\circ\text{C}$ - S4 duty service: 30% of time.

Standard equipment: adjustable limit switches + 2 auxiliary limit switches - Thermal protection - 3D position indicator - Manual override by hex key - Parallel connection possible.



T15 - Electric actuator - 15 Nm

2-wire connection - Electric connection: M12 gland pack with 1,5 m cable.

type	fonction	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
T15	On-off	15	12	30	F03/F05	11	110 - 230V AC	022500	
T15	On-off	15	12	20	F03/F05	11	12 - 24V DC & 24V AC	022501	

Specifications: Compact type - 90° operating angle ($\pm 2^\circ$) - ISO 5211 pad, star connection - ABS plastic enclosure - Steel reducing box - Room temp.: $-20^\circ\text{C}/+60^\circ\text{C}$ - S4 duty service: 50% of time (except for TCR20 & TCR40: S3 duty service: 85% of time).

Standard equipment: adjustable limit switches + 2 auxiliary limit switches - Thermal protection - 3D position indicator - Manual override by hex key - Parallel connection possible.



TCR02 - Electric actuator - 20 Nm

Electric connection: M10 gland pack with 1,5 m cable.

type	fonction	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
On-off actuators									
TCR02N	On-off	20	10	15	F03/F05	11	95-265V AC/DC	024110	
TCR02N	On-off	20	10	15	F03/F05	11	24V AC/DC	024111	
TCR02N	On-off	15	15	15	F03/F05	11	12V DC	024112	
TCR02NH	Quick-acting	15	6	25	F03/F05	11	95-265V AC/DC	024130	
TCR02NH	Quick-acting	15	6	100	F03/F05	11	24V AC/DC	024131	
TCR02NKT32	Capacitor return	15	15	36	F03/F05	11	95-265V AC/DC	024120	
TCR02NKT32	Capacitor return	15	15	36	F03/F05	11	24V AC/DC	024121	
TCR02D	Timer	20	10	15	F03/F05	11	95-265V AC/DC	024160	
TCR02D	Timer	20	10	15	F03/F05	11	24V AC/DC	024161	
Regulating actuators									
TCR02C	Clever	20	10	15	F03/F05	11	95-265V AC/DC	024140	
TCR02C	Clever	20	10	15	F03/F05	11	24V AC/DC	024141	
TCR02T	Regulation 4-20 mA	20	10	15	F03/F05	11	95-265V AC/DC	024150	
TCR02T	Regulation 4-20 mA	20	10	15	F03/F05	11	24V AC/DC	024151	
TCR02TKT32	Regulation 4-20 mA + Capacitor return	15	15	36	F03/F05	11	95-265V AC/DC	024190	
TCR02TKT32	Regulation 4-20 mA + Capacitor return	15	15	36	F03/F05	11	24V AC/DC	024191	



Standard



Wireless



Clever, regulation, timer



Standard



Capacitor return



Clever, regulation

TCR05 - Electric actuator - 50 Nm

Electric connection: M20 gland pack with 1,5 m cable.

type	fonction	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
On-off actuators									
TCR05N	On-off	50	12	25	F05/F07	14	95-265V AC/DC	024310	
TCR05N	On-off	50	12	25	F05/F07	14	24V AC/DC	024311	
TCR05N	On-off	50	12	25	F05/F07	14	12V DC	024312	
TCR05NH	Quick-acting	40	5	40	F05/F07	14	95-265V AC/DC	024330	
TCR05NH	Quick-acting	40	5	40	F05/F07	14	24V AC/DC	024331	
TCR05NKT32	Capacitor return	45	12	40	F05/F07	14	95-265V AC/DC	024320	
TCR05NKT32	Capacitor return	45	12	40	F05/F07	14	24V AC/DC	024321	
Regulating actuators									
TCR05C	Clever	50	12	25	F05/F07	14	95-265V AC/DC	024340	
TCR05C	Clever	50	12	25	F05/F07	14	24V AC/DC	024341	
TCR05T	Regulation 4-20 mA	50	12	25	F05/F07	14	95-265V AC/DC	024350	
TCR05T	Regulation 4-20 mA	50	12	25	F05/F07	14	24V AC/DC	024351	
TCR05TKT32	Regulation 4-20 mA + Capacitor return	50	12	40	F05/F07	14	95-265V AC/DC	024390	
TCR05TKT32	Regulation 4-20 mA + Capacitor return	50	12	40	F05/F07	14	24V AC/DC	024391	



TCR11 - Electric actuator - 100 Nm

Electric connection: 2x M14 gland pack with 1,5 m cable.

type	fonction	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
On-off actuators									
TCR11N	On-off	110	10	100	F05/F07	17	95-265V AC/DC	024610	
TCR11N	On-off	110	10	100	F05/F07	17	24V AC/DC	024611	
TCR11NH	Quick-acting	80	5	100	F05/F07	17	95-265V AC/DC	024630	
TCR11NH	Quick-acting	80	5	100	F05/F07	17	24V AC/DC	024631	
TCR11NKT32	Capacitor return	90	10	100	F05/F07	17	95-265V AC/DC	024620	
TCR11NKT32	Capacitor return	90	10	100	F05/F07	17	24V AC/DC	024621	
Regulating actuators									
TCR11C	Clever	90	10	100	F05/F07	17	95-265V AC/DC	024640	
TCR11C	Clever	90	10	100	F05/F07	17	24V AC/DC	024641	
TCR11T	Regulation 4-20 mA	110	10	100	F05/F07	17	95-265V AC/DC	024650	
TCR11T	Regulation 4-20 mA	110	10	100	F05/F07	17	24V AC/DC	024651	
TCR11TKT32	Regulation 4-20 mA + Capacitor return	80	10	100	F05/F07	17	95-265V AC/DC	024690	
TCR11TKT32	Regulation 4-20 mA + Capacitor return	80	10	100	F05/F07	17	24V AC/DC	024691	



TCR20 - Electric actuator - 200 Nm

Electric connection: 2 x M20 gland pack with 1,5m cable.

type	fonction	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
On-off actuators									
TCR20N	On-off	200	25	50	F07/F10	22	95-265V AC/DC	024700	
TCR20N	On-off	200	25	80	F07/F10	22	24V AC/DC	024701	
TCR20NKT32	Capacitor return	200	25	50	F07/F10	22	95-265V AC/DC	024710	
TCR20NKT32	Capacitor return	200	25	80	F07/F10	22	24V AC/DC	024711	



TCR40 - Electric actuator - 400 Nm

Electric connection: 2 x M20 gland pack with 1,5m cable.

type	fonction	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
On-off actuators									
TCR40N	On-off	400	25	50	F07/F10	22	95-265V AC/DC	024720	
TCR40N	On-off	400	25	80	F07/F10	22	24V AC/DC	024721	

Quarter-turn actuators - Industry - IP67

Specifications: Compact type - 90° operating angle (±5°) - Comply with EN 15714-2 standard - ISO 5211 pad, star connection - Epoxy coated aluminium enclosure - Steel reducing box - Room temp.: -20°C/+70°C (except SA05-X: -20°C/+55°C).

Standard equipment: 2 adjustable limit switches + 2 auxiliary limit switches - Thermal protection - Position indicator with led - Supplied electrical connection: gland pack 2 x M20 x 1,5 (except SA05-X).



SA03 - Electric actuator - 30 Nm

Resistance heater 3W - Duty service: S2-15 min / S4: 50% of time - Declutchable manual override by key (included).

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
SA03	30	12	18	F03/F05	11	230V AC	023000	
SA03	30	9/7	18	F03/F05	11	24V AC/DC	023001	



SA05 - Electric actuator - 50 Nm

Resistance heater 5W - Duty service: S2-15 min / S4: 50% of time - Manual override by key (included), except SA05-S.

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
SA05	50	17	6	F03/F05/F07	14	230V AC	023010	
SA05	50	10	15	F03/F05/F07	14	24V AC/DC	023011	
SA05	50	11	6	F03/F05/F07	14	12V DC	023012	
special execution: slow closing								
SA05-S	50	100	6	F03/F05/F07	14	230V AC	023020	
SA05-S	50	100	6	F03/F05/F07	14	24V AC/DC	023021	



SA05-X - ATEX electric actuator - 50 Nm

Resistance heater 5W - Manual override by key (included) - Duty service: S2-15 min / S4: 50% of time - C € II 2G Ex d IIB T4, areas 1 & 2.



type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
SA05-X	50	17	6	F03/F05/F07	14	230V AC	023310	
SA05-X	50	10	15	F03/F05/F07	14	24V AC/DC	023311	



type	code	price €
Gland-pack ATEX 1/2" M20 x 1,5	980179	
Cap ATEX 1/2" M20 x 1,5	980169	



SA05-PCU - 4-20 mA / Proportional control unit electric actuator - 50 Nm

Includes control card 4-20 mA, 2-20 mA, 0-10 V, 2-10 V and potentiometer 4-20 mA - Duty service: S2: 70% of time.

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
SA05-PCU	50	17	6	F03/F05/F07	14	230V AC	023050	
SA05-PCU	50	10	15	F03/F05/F07	14	24V AC/DC	023051	



SA05-SCP - Fail safe / Safety electric actuator - 50 Nm

Back to original position if lack of current - Built-in security super capacitor - Duty service: S2: 70% of time.

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
SA05-SCP	50	8	120	F03/F05/F07	14	230V AC	023065	
SA05-SCP	50	8	60	F03/F05/F07	14	24V DC	023066	

Specifications: Positive safety with spring return - Compact type - 90° operating angle (±5°) - ISO 5211 pad, star connection - Epoxy coated aluminium enclosure - Steel reducing box - Room temp.: -20°C/+55°C.

Standard equipment: 2 adjustable limit switches + 2 auxiliary limit switches - Thermal protection - Position indicator with led - Supplied electrical connection: gland pack 2 x M20 x 1,5.



SR03 - Spring return electric actuator - 30 Nm

Resistance heater 5W - Duty service: S4: 100% of time - Manual override by key (included).

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO 5211		voltage	code	price €
SR03	30	10-35	40	F03/F04/F05	11	230V AC	023070	
SR03	30	10-35	40	F03/F04/F05	11	24V AC/DC	023071	

Specifications: Compact type - 90° operating angle (±5°) - ISO 5211 pad, star connection - Epoxy coated aluminium enclosure - Steel reducing box - Room temp.: -20°C/+70°C (except NA-X: -20°C / +55°C) - Torque limiter (except NA06 & NA09) - S2 duty service: 70% of time.

Standard equipment: 2 adjustable limit switches - 2 dry auxiliary limit switches 250V 16A - Thermal protection - Resistance heater 20W - Position indicator - Manual override by handwheel - Supplied electrical connection: gland packing 2 x M20 x 1,5 (except NA-X).



NA - Electric actuator

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO		230V AC	3-400V AC	price €	24V AC	24V DC	price €
						code	code		code	code	
NA06	60	17	15	F07	17	023110	023113		023111	023114	
NA09	90	17	25	F07	17	023120	023123		023121	023124	
NA15	150	20	40	F07/F10	17	023130	023133		023131	023134	
NA28	280	24	40	F10/F12	22	023150	023153		023151	023154	
NA38	380	24	60	F10/F12	27	023160	023163		-	-	
NA60	600	29	90	F12/F14	27	023180	023183		-	-	
NA100	1000	29	180	F12/F14	27	023200	023203		-	-	
NA150	1500	87	98	F14/F16	36	023210	023213		-	-	
NA200	2000	87	180	F14/F16	36	023220	023223		-	-	
NA250	2500	87	180	F14/F16	46	023230	023233		-	-	

NA-X - ATEX electric actuator

Specifications and equipment: same as NA actuator, except: II 2 G Ex d II B T4, areas 1 & 2.



type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO		230V AC	price €
						code	
NA06-X	60	17	15	F07	17	023320	
NA09-X	90	17	25	F07	17	023330	
NA15-X	150	20	40	F07/F10	17	023340	
NA28-X	280	24	40	F10/F12	22	023360	
NA38-X	380	24	60	F10/F12	27	023370	
NA60-X	600	29	90	F12/F14	27	023390	

type	code	price €
Gland-pack ATEX 1/2" M20 x 1,5	980179	
Cap ATEX 1/2" M20 x 1,5	980169	

NA-PCU - 4-20 mA / Proportional control unit electric actuator

Specifications and equipment: same as NA - Includes control card & potentiometer 4-20 mA.

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO		230V AC	price €
						code	
NA09-PCU	90	17	25	F07	17	023550	
NA15-PCU	150	20	40	F07/F10	17	023560	
NA28-PCU	280	24	40	F10/F12	22	023580	

NA-RBP - Fail safe / Security electric actuator

Specifications and equipment: same as NA - Back to original position if lack of current - Built-in rechargeable security battery.

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO		230V AC	price €
						code	
NA09-RBP	90	17	25	F07	17	023720	
NA15-RBP	150	20	40	F07/F10	17	023730	

Specifications: Positive safety with spring return - 90° operating angle (±5°) - ISO 5211 pad, star connection - Epoxy coated aluminium enclosure - Room temp.: -20°C/+55°C - S2 duty service: 15 min.

Standard equipment: Resistance heater 20W - Manual override by handwheel - Supplied electrical connection: gland packing 2 x M20 x 1,5 (except SR-X).



SR - Spring return electric actuator

type	torque (Nm)	operating time 90° (s)	spring closing (s)	electrical power (W)	ISO		230V AC	price €
							code	
SR05	50	16/14	1	40	F07	14	023080	
SR10	100	20/19	1	60	F07/F10	17	023090	
SR30	300	89/82	2	60	F10/F12	22	023106	

SR-X - ATEX spring return electric actuator

Specifications and equipment: same as SR actuator, except: II 2 G Ex d II B T4, areas 1 & 2.



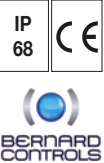
type	torque (Nm)	operating time 90° (s)	spring closing (s)	electrical power (W)	ISO		230V AC	price €
							code	
SR05-X	50	16/14	1	40	F07	14	023450	
SR10-X	100	20/19	1	60	F07/F10	17	023460	
SR30-X	300	89/82	2	60	F10/F12	22	023470	

Quarter-turn Bernard actuators – IP68

2014/108/EU Directive - 2014/35/EU Directive.

Specifications: Compact type - 90° operating angle - On-off class A actuator acc. to EN 15714-2 - Protection C4 acc. to ISO 12944 - ISO 5211 pad, star connection - Epoxy coated aluminium enclosure - Lifetime lubrication - Room temp.: -20°C/+60°C - S4 duty service: 30% of time, up to 120 start/h at peak.

Standard equipment: 2 SPDT adjustable limit switches - 2 dry auxiliary limit switches - 3D position indicator - Manual override by hexagonal key 10mm - Electrical connection: 2 entries M20 (gland packing not included).



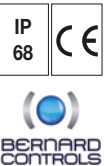
AQL - Electric actuator

type	torque (Nm)	operating time 90° (s)	electrical power (W)	ISO		230V AC + 24V DC code	price €
AQ1L	15	13	20	F03/F04/F05	14	028400	
AQ3L	30	15	20	F03/F04/F05	14	028410	
AQ7L	70	15	20	F05/F07	22	028430	

2014/108/EU Directive - 2014/35/EU Directive.

Specifications: Compact type - 90° operating angle - On-off class A actuator acc. to EN 15714-2 - Protection C4 acc. to ISO 12944 - ISO 5211 pad, star connection - Epoxy coated aluminium enclosure - Lifetime lubrication - Room temp.: -20°C/+60°C - S4 duty service: 30% of time, up to 360 start/h at peak.

Standard equipment: 2 SPDT adjustable limit switches - 2 dry auxiliary limit switches - 3D position indicator - Resistance heater - Torque limiter from AQ-25 to AQ-50 - Manual override by handwheel - Electrical connection: gland packing M20 (not included).



AQ SWITCH - Electric actuator

type	torque (Nm)	operating time 90° (s)	electrical power (W)		ISO		230V AC 3-400V AC		price €	24V DC	
			230V AC	3-400V AC			code	code		code	price €
AQ5	50	16	15	30	F05/F07	14	028440	028445		028441	
AQ10	100	25	15	30	F05/F07	17	028450	028455		028451	
AQ15	150	25	30	30	F05/F07	17	028460	028465		028461	
AQ25	250	30	40	40	F07/F10	22	028470	028475		028471	
AQ30	300	35	40	40	F07/F10	27	028480	028485		-	
AQ50	500	35	60	70	F07/F10	27	028490	028495		-	

not on stock, on request.

Multi-turn Regada actuators - IP67

Specifications: On/off multi-turn actuators - ISO 5211 pad - S4 duty service: 25% of time / 10 cycles/hour.

Standard equipment: Resistance heater 20W - Torque limiter - Manual override by handwheel - Electrical connection: not included.



SO2 - Multi-turn electric actuator for rotating non-rising stem linear valves

Room temperature range: -10°C/+55°C.



type	torque (Nm)	speed (rpm)	electrical power (W)	ISO	stem (Ø x pitch)	230V AC	price €	3-400V AC	price €
						code		code	
SO2	61	12,5	300	F10	20 x 4	027101		-	
SO2	76	10	300	F10	20 x 4	027102		-	
SO2	68	12,5	240	F10	20 x 4	-		027103	
SO2	85	10	240	F10	20 x 4	-		027104	

SO2-MO3 - Multi-turn electric actuator for rotating rising stem linear valves

Room temperature range: -25°C/+55°C.



type	torque (Nm)	speed (rpm)	electrical power (W)	ISO	stem (Ø x pitch)	230V AC	price €
						code	
SO2	38	20	300	F10	20 x 4	027100	
MO3	60	40	500	F10	25 x 5	027150	

Multi-turn Auma actuators - IP68

Specifications: On/off multi-turn actuators - ISO 5211 pad - Room temp.: -25°C/+80°C - S2 intermittent duty service: 15 min.

Standard equipment: Resistance heater 20W - Torque limiter - Manual override by handwheel - Electrical connection: M20, M25 & M32 x 1,5.



SA - Multi-turn electric actuator for rotating non-rising stem linear valves

Coupling type: B3 - Machined steel drive nut for splined shafts.

type	torque (Nm)	speed (rpm)	electrical power (W)	ISO	☑	3~400V AC code	price €
SA07.6	60	45	200	F10	20	027026	
SA10.2	120	45	400	F10	20	027036	
SA14.2	250	45	750	F10	30	027046	

SA - Multi-turn electric actuator for rotating rising stem linear valves

Coupling type: A - Non-machined brass drive nut.

type	torque (Nm)	speed (rpm)	electrical power (W)	ISO	Ø stem max. (mm)	3~400V AC code	price €
SA07.2	30	45	100	F10	34	027015	
SA07.6	60	45	200	F10	34	027025	
SA10.2	120	45	400	F10	40	027035	



Accessories for actuated valves

Stem extension for actuated valves

RH 100 - Stainless steel stem extension

Height 100 mm - ISO pad base F04/F05 - ISO pad top F05/F07.



valves type	Ø	code	price €	Ø	code	price €
715 XS	1/2" to 1"1/2"	RHVM01		2"	RHVM02	
780 XS - 781 XS	1/2" to 1"1/2"	RHVM01		2"	RHVM02	
747 XS	1/2" to 1"1/4"	RHVM01		1"1/2 to 2"	RHVM02	
736 XS - 746 XS	1/2" to 1"1/4"	RHVM01		1"1/2 to 2"	RHVM02	
702 - 703 XS	1/2" to 1"1/4"	RHVM01		1"1/2 to 2"	RHVM02	
710 - 711	1/2" to 1"1/4"	RHVM01		1"1/2 to 2"	RHVM02	
765 XS	1/2" to 1"1/4"	RHVM01		1"1/2 to 2"	RHVM02	



Stem extension for all purposes

RHV-XS - Stainless steel stem extension



valves type	Ø	ISO pad	height (mm)	code	price €
702 XS - 703 XS	1/2" to 3/4"	F03/F04	61	RHVXS03	
715 XS - 736 XS	1" to 1"1/4"	F04/F05	67	RHVXS05	
746 XS	1" to 1"1/4"	F04/F05	67	RHVXS05	
747 XS - 765 XS	1"1/2 to 2"	F05/F07	86	RHVXS07	
771 XS - 780 XS	1"1/2 to 2"	F05/F07	86	RHVXS07	

Declutchable gearbox

RMD - Declutchable gearbox

Cast iron GG25 body - Steel wheel - To select a gearbox, add the valve torque & the actuator torque (compressed springs).



NEW

NEW

NEW

NEW

type	valve		actuator		torque (Nm)	code	price €
	ISO	☑ F	ISO	☑ M			
RMD 0A	F05	17	F05	14	125	041480	
RMD 0A-17	F05	17	F05	17	125	041480M17	
RMD 1A	F07/F10	22	F07	17	270	041481	
RMD 1A-22	F07/F10	22	F07	22	270	041481M22	
RMD 2A	F10/F12	27	F10/F12	22	800	041482	
RMD 2A-27	F10/F12	27	F10/F12	27	800	041482M27	
RMD 2A-36	F10/F12	27	F10/F12	36	800	041482M36	
RMD 3A	F12	27	F12	27	1150	041483	
RMD 4A	F14	36	F14	36	2500	041484	

AUTOMAÇÃO INDUSTRIAL

Instrumentação e controlo:

Sondas de temperaturas2

- Termopares
- Termorresistências
- Acessórios

Resistências eléctricas3

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Calibradores e simuladores de pressão6

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**TEC2000-2 EQUIPAMENTOS
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Tel: 212 316 978

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e-mail: sd.tec2000@sapo.pt

INSTRUMENTAÇÃO E CONTROLO



SONDAS DE TEMPERATURA

TERMOPARES

J, K, R, S, T, ETC.

TERMORRESISTÊNCIAS

PT100, PT500, PT1000 2, 3 ou 4 fios

SIMPLES OU DUPLAS COM OU SEM CONVERSOR

CARACTERÍSTICAS ESPECIAIS COM E SEM ISOLAMENTO MINERAL



ACESSÓRIOS



RESISTÊNCIAS ELÉCTRICAS

APLICAÇÕES DOMÉSTICAS E INDUSTRIAIS



VARETA EM INOX OU COBRE



TRAÇAGEM



TUBULARES / CARTUCHO



ALHETADAS



PLANA

GOLA / BRAÇADEIRA



NÚCLEOS



INFRAVERMELHOS



PLACAS DE FOGÃO

MANÓMETROS E TERMÓMETROS

MANÓMETROS DE BOURDON

DIAM. 40, 50, 63, 80, 100, 160 e 250 mm
CLASSE DE EXACTIDÃO - 0,6, 1,0 e 1,6

MANÓMETROS DE CÁPSULA

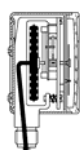
DIAM. 63, 100 e 160 mm
CLASSE DE EXACTIDÃO - 1,6

MANÓMETROS DE DIAFRAGMA

DIAM. 100 e 160 mm
CLASSE DE EXACTIDÃO - 1,6

PRESSÃO DIFERENCIAL

TRANSMISORES
COMUTADORES
INDICADORES



TERMÓMETROS

DIAM. 63, 80, 100 e 160 mm

CLASSE DE EXACTIDÃO 1 e 2



TERMÓMETRO HORIZONTAL



TERMÓMETRO VERTICAL



TERMÓMETRO ANGULAR



TERMOMETRO C/ PROTECÇÃO



COM CONTACTOS ELÉCTRICOS



OUTROS PRODUTOS

MANÓMETROS DE COLUNA "U"

MANÓMETROS DE COLUNA INCLINADA

MANÓMETROS DE PRESSÃO DIFERENCIAL

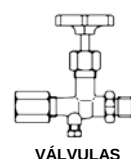
MANÓMETROS COM SEPARADOR QUÍMICO

MÓDULOS DE CONTACTOS ELÉCTRICOS

ACESSÓRIOS DE LIGAÇÃO PARA MANÓMETROS



SIFÃO



VÁLVULAS

TERMÓMETROS PORTÁTEIS DE MEDIÇÃO

TERMOMETROS

Gamas de $-200\text{ }^{\circ}\text{C}$ a $+1320\text{ }^{\circ}\text{C}$
 Sensores a Pt100, Pt1000 ou tipo J, K, T, N, E
 Indicação em $^{\circ}\text{C}$ ou $^{\circ}\text{F}$
 Possibilidade de 2 entradas
 MIN, MAX, REL, RECORD
 Selecção de Termopares
 Saídas opcionais (RS232C ou USB)
 Diversos tipos e formas de sondas para todas as aplicações



TERMOHIGRÓMETROS

Gamas de $-200\text{ }^{\circ}\text{C}$ a $+600\text{ }^{\circ}\text{C}$ / 5-98% H.R.
 Sensores de temperatura a Pt100, Pt1000 e tipo K
 Indicação em diversas escalas técnicas
 Armazenagem de valor mínimo, máximo e média
 Saídas opcionais (RS232 ou USB)
 Soluções de Calibração
 Diversos tipos e formas de sondas para todas as aplicações



MANÓMETROS

Gamas de 10 mbar a 500bar de pressão relativa diferencial absoluta
 Diversos acessórios para ligação ao processo
 Diversas gamas de sensores de pressão
 Conversão de Escala de Medida
 Saída opcional RS232 ou USB



CONDUCTIVÍMETROS



SONÓMETROS



MEDIDORES pH



LUXÍMETROS



CALIBRADORES E SIMULADORES DE PRESSÃO

A MAIS COMPLETA GAMA DE CALIBRADORES DE PROCESSO E LABORATÓRIO

MODELO	SIMULAÇÃO						MEDIDA						PRECISÃO	DOIS CANAIS
	mA	mV	V	Tc	RTD	Hz	mA	mV	V	Tc	RTD	P		
UniCal Tc		X		X				X		X			±0.04% rdg	--
UniCal RTD					X						X		±0.04% rdg	--
UniCal mA	X						X						±0.05% rdg	--
UniCal MMX2	X	X	X			X	X	X	X	X	Ω		±0.03% rdg	Sim
	mA	mV	V	Tc	RTD	Hz	mA	mV	V	Tc	RTD	P		
MicroCal 1+ TRX	X	X	X	X	X		X	X	X	X	X		±0.03% rdg	Sim
MicroCal 2+	X	X	X	X	X		X	X	X	X	X		±0.02% rdg	Sim
MicroCal 10+	X	X	X	X	X		X	X	X	X	X		±0.02% rdg	--
MicroCal 20 DPC	X	X	X	X	X	X	X	X	X	X	X	X	±0.01% rdg	Sim
	mA	mV	V	Tc	RTD	Hz	mA	mV	V	Tc	RTD	P		
MicroCal 200	X	X	X	X	X	X	X	X	X	X	X		±0.02% rdg	Sim
MicroCal 200+	X	X	X	X	X	X	X	X	X	X	X		±0.01% rdg	Sim
MicroCal 2000+	X	X	X	X	X	X	X	X	X	X	X		±0.005% rdg	Sim
MicroCal P100							X					X	±0.05% FS	--
MicroCal P200	X		X				X		X		X	X	±0.025% FS	--
MicroCal P							X		X			X	±0.05% rdg	--
MicroCal P20	X	X	X				X	X	X		X	X	±0.025% FS	Sim
MicroCal PM200	X	X	X	X	X		X	X	X	X	X	X	±0.025% rdg	Sim

Simulação e medida de: Termopares, Termoresistências, mV, V, mA, Ohm, Hz, pressão, etc.



MicroCal 200, 2000



MicroCal 20



MicroCal 1+TRX, 2+, 10



UniCal



MicroCal PM200



MicroCal P200



MicroCal P



MicroCal P100

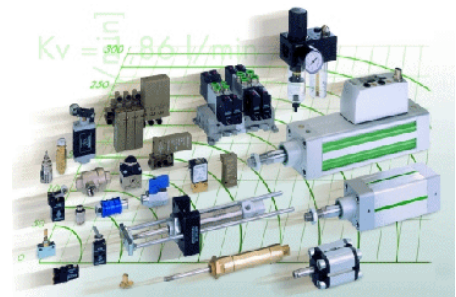
PNEUMÁTICA, marcas comercializadas:



FESTO



KUHNKE



ASCA
JOUCOMATIC



WAIRCOM
M B S



KPM



UNIVER



SMC



METAL[®] WORK
PNEUMATIC



numatics[®]

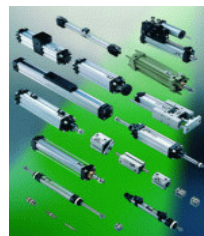
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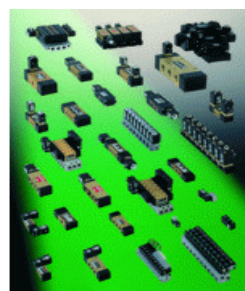
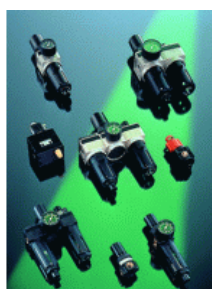
NORGREN



Parker



PNEUMAX

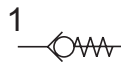


Rexroth
Bosch Group





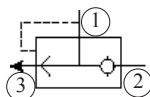
CODE	A
VUM5	M5
VU18	1/8"
VU14	1/4"
VU38	3/8"
VU12	1/2"
VU34	3/4"
VU10	1"



ENTRATA = ① = In
USCITA = ② = Out



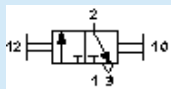
CODE	A
VSR18	1/8"
VSR14	1/4"
VSR38	3/8"
VSR12	1/2"
VSR34	3/4"
VSR10	1"



ALIMENTAZIONE = ① = SUPPLY
CONNESSIONE ALL'ATTUATORE = ② = CONNECTION TO THE ACTUATOR
SCARICHI = ③ = EXHAUST



CODE	G
VM18	G 1/8"
VM14	G 1/4"
VM38	G 3/8"
VM12	G 1/2"
VM34	G 3/4"



ALIMENTAZIONE = ① = SUPPLY
USCITA = ② = OUT
SCARICHI = ③ = EXHAUSTS



Tubo in PVC rinforzato

Mod.	D/d	Pressione max (bar) a 20 C°	Peso (g/m)	Raggio min. di curv. (mm)	Matassa (m)
PV 6/4	6/4	40	21.8	50	50
PV 8/6	8/6	40	23.3	60	50
PV 10/8	10/8	35	35.3	65	50
PV 12/10	12/10	28	51	80	50
PV 15/12,5	15/12,5	28	69	90	50



Tubo in poliammide PA12

Mod.	D/d	Pressione max (bar) a 23 C°	Peso (g/m)	Raggio min. di curv. (mm)	Matassa (m)
TRN 4/2	4/2	30	9.8	16	100
TRN 5/3	5/3	25	13.1	20	100
TRN 6/4	6/4	20	16.3	35	100
TRN 8/6	8/6	14	22.9	65	100
TRN 10/8	10/8	11	29.4	100	50
TRN 12/10	12/10	9	35.9	125	50



Tubo in Polietilene a bassa densità

Mod.	D/d	Pressione max (bar) a 23 C°	Peso (g/m)	Raggio min di curv. (mm)	Matassa (m)
TPE 5/3	5/3	12	11.3	23	100
TPE 6/4	6/4	11	14.1	32	100
TPE 8/6	8/6	8	19.8	43	100
TPE 10/8	10/8	7	25.4	76	100



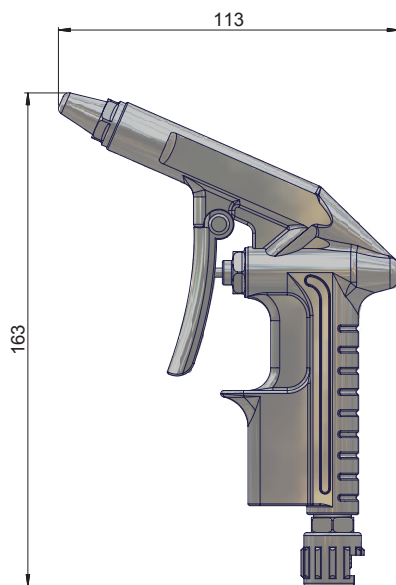
Tubo in PU 98 Sh

Mod.	D/d	Pressione max (bar) a 23 C°	Peso (g/m)	Raggio min. di curv. (mm)	Matassa (m)
TPC 4/2	4/2	14	11.5	11	100
TPC 6/4	6/4	10	19.2	18	100
TPC 8/6	8/6	7	26.8	35	100
TPC 10/8	10/8	5.5	34.5	45	100
TPC 12/8	12/8	6	60.3	50	100

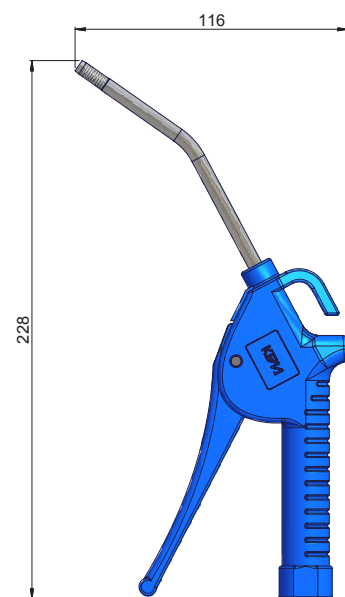
Spirale in Rilsan (PA)



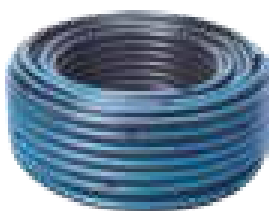
Mod.	D/d	Pressione max (bar) a 20°C	Ø esterno	Lunghezza (chiusa)	Lunghezza max
TSP 6/4	6/4	20	64	1000	15
TSP 8/6	8/6	14	86	1000	15
TSP 10/8	10/8	11	102	1050	15
TSP 12/10	12/10	9	126	1050	15



Aria compressa Compressed air
Pistola di soffiaggio con valvola di pressione
Air duster with pressure valve
G $\frac{1}{4}$ + ghiera G $\frac{1}{4}$ + ring nut
10 bar max
Alluminio Aluminium
435 l/min max.
100 db (A)
0.313 Kg



Aria compressa Compressed air
Pistola di soffiaggio con valvola di pressione
Air duster with pressure valve
G $\frac{1}{4}$
10 bar max
Tecnopolimero Tecnopolymer
435 l/min max.
100 db (A)
0.184 Kg



helivyl ar cristal premium

Grupo Group	Código / Code			Ø Ext. Outside (mm)	Peso Weight (Kg/m)	Press. Trab. Working Press. (bar)	Press. Ruptura Rupture Press. (bar)
	Ø Int. Inside (mm)	Comp. Length (m)	Cor. Color				
350 216	006	025 050 100	91	12,0	0,105	20	60
350 216	008	025 050 100	91	14,0	0,130	20	60
350 216	010	025 050 100	91	16,0	0,155	20	60
350 216	012	025 050 100	91	18,5	0,180	20	60
350 216	016	025 050 100	91	23,2	0,270	16	50
350 216	019	025 050 100	91	26,4	0,340	15	38
350 216	025	025 050 100	91	33,4	0,470	15	38

helivyl ar 20 premium

Grupo Group	Código / Code			Ø Ext. Outside (mm)	Peso Weight (Kg/m)	Press. Trab. Working Press. (bar)	Press. Ruptura Rupture Press. (bar)
	Ø Int. Inside (mm)	Comp. Length (m)	Cor. Color				
350 236	006	025 050 100	83	12,0	0,130	20	63
350 236	008	025 050 100	83	14,0	0,150	20	63
350 236	010	025 050 100	83	16,4	0,180	20	63
350 236	012	025 050 100	83	21,0	0,270	20	63
350 236	016	025 050 100	83	25,6	0,430	20	63
350 236	019	025 050 100	83	28,8	0,510	20	63
350 236	025	025 050 100	83	36,0	0,700	20	63

D R

6 - 1/8

6 - 1/4

7 - 1/8

7 - 1/4

8 - 1/8

8 - 1/4

9 - 1/8

9 - 1/4

9 - 3/8

9 - 1/2

10 - 1/8

10 - 1/4

10 - 3/8

10 - 1/2

12 - 1/4

12 - 3/8

12 - 1/2

14 - 3/8

14 - 1/2

16 - 3/8

16 - 1/2

16 - 3/4

17 - 3/8

17 - 1/2

18 - 3/8

18 - 1/2

18 - 3/4

20 - 3/8

20 - 1/2

20 - 3/4

25 - 3/4

25 - 1"

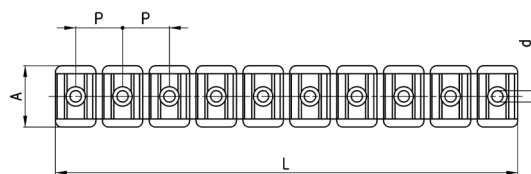
Ø largura Press. (Bars)

17-19	18	45
19-21	18	45
21-23	18	45
23-25	18	45
25-27	18	45
27-29	18	45
29-31	20	40
31-34	20	40
34-37	20	40
37-40	20	40
40-43	20	40
43-47	20	36
47-51	20	36
51-55	20	36
55-59	20	36
59-63	20	36
63-68	20	36
68-73	25	28
73-79	25	28

Ø L max. Press.(Bars)

8-16	22,1	45
12-22	22,1	45
16-27	23,6	42
20-32	23,6	36
25-40	25,6	32
30-45	25,6	28
32-50	25,6	24
40-60	25,6	19
50-70	29,6	17
60-80	29,6	15
70-90	29,6	13
80-100	29,6	11
90-110	29,6	10
100-120	29,6	9
110-130	29,6	8
120-140	29,6	7
130-150	29,6	6
140-160	29,6	5

Morsettiera porta tubi in plastica



Mod.	Ø Tubo	L	A	d	P	N° posizioni
MPL-4	4	114	19	2.8	11.7	10
MPL-6	6	114	19	2.8	11.7	10
MPL-8	8	143	19	3.8	14.6	10
MPL-10	10	172	19	5.3	17.4	10
MPL-12	12	162	19	5.3	20.5	8



Pinza tagliatubo piccola e grande

Mod.	
PNZ-12	può tagliare tubi con Ø fino a 12 mm
PNZ-25	può tagliare tubi con Ø fino a 25 mm

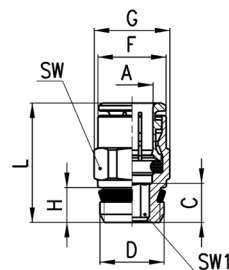
Pinza tagliatubi in plastica Mod. PNZP-12



Mod.	
PNZP-12	può tagliare tubi con Ø fino a 12 mm

Raccordi Mod. S6510

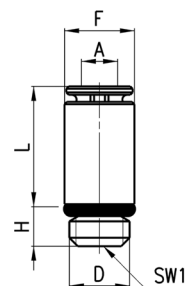
Diritto Maschio Sprint®



DIMENSIONI										
Mod.	A	D	C	F	G	H	L	SW	SW1	Peso (g)
S6510 4-1/8	4	G1/8	3,8	8,8	13,2	5,5	18	12	2,5	9
S6510 4-1/4	4	G1/4	5,5	8,8	15,2	7	19,5	14	2,5	15
S6510 5-1/8	5	G1/8	3,8	9,8	13,2	5,5	19	12	3	8
S6510 5-1/4	5	G1/4	5,5	9,8	15,2	7	20	14	3	14
S6510 6-1/8	6	G1/8	6	11,7	13,2	5,5	22	12	4	10
S6510 6-1/4	6	G1/4	5,5	11,7	15,2	7	21	14	4	14
S6510 6-3/8	6	G3/8	6,5	11,7	20,5	8	22,5	19	4	27
S6510 8-1/8	8	G1/8	7,5	13,7	15,2	5,5	25	14	5	13
S6510 8-1/4	8	G1/4	6,5	13,7	15,2	7	24	14	6	14
S6510 8-3/8	8	G3/8	6	13,7	20,5	8	23,5	19	6	25
S6510 8-1/2	8	G1/2	7,5	13,7	24,5	9	25	22	6	43
S6510 10-1/4	10	G1/4	8,3	15,4	18,5	7	28,5	17	7	23
S6510 10-3/8	10	G3/8	5,3	15,4	20,5	8	25,5	19	8	27
S6510 10-1/2	10	G1/2	4,8	15,4	24,5	9	25	22	8	39
S6510 12-1/4	12	G1/4	10,3	18,3	20,5	7	29,5	19	7	26
S6510 12-3/8	12	G3/8	9,3	18,3	20,5	8	28,5	19	9	30
S6510 12-1/2	12	G1/2	5,8	18,3	24,5	9	25	22	10	36
S6510 14-3/8	14	G3/8	10,3	20,5	24,5	8	30,5	22	9	42
S6510 14-1/2	14	G1/2	6,3	20,5	24,5	9	26,5	22	12	34
S6510 16-1/2	16	G1/2	9	23,5	26,5	9	32	24	-	42
S6510 16-3/4	16	G3/4	3,5	23,5	27,3	9	26,5	24	-	46

Raccordi Mod. 6512 Micro

Diritto Maschio Metrico-Cilindrico

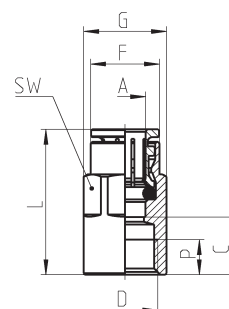


DIMENSIONI								
Mod.	A	D	F	H	L	SW1	Peso (g)	
6512 3-M3	3	M3	5,8	2,5	10,2	1,5	1	*
6512 3-M5	3	M5	5,8	3,5	10	2	1	•
6512 4-M7-M	4	M7	9,4	5	17,5	2,5	5	•
6512 4-1/8-M	4	G1/8	11,2	5	13	2,5	9	•
6512 6-M7-M	6	M7	10,4	5	17	4	7	•
6512 6-1/8-M	6	G1/8	11,2	5	14	4	7	•
6512 8-1/8-M	8	G1/8	12,4	5	18,5	5	10	•
6512 10-1/4-M	10	G1/4	14,8	6	21	7	16	•

* = con guarnizione
• = con O-Ring

Raccordi Mod. 6463

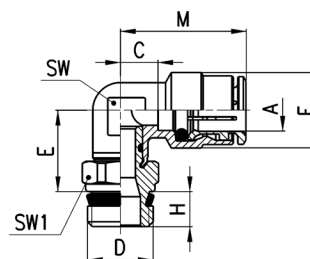
Diritto Femmina Metrico-Cilindrico



DIMENSIONI								
Mod.	A	D	C	F	G	L	SW	Peso (g)
6463 4-M5	4	M5	6,5	7,8	8,8	20,5	9	8
6463 4-1/8	4	G1/8	10	9	13	24	12	14
6463 5-1/8	5	G1/8	10	9,8	13	25	12	14
6463 6-1/8	6	G1/8	10	11,7	13	26	12	14
6463 6-1/4	6	G1/4	11,5	11,9	16,5	27,5	15	23
6463 8-1/8	8	G1/8	9,5	13,7	15,2	27	14	16
6463 8-1/4	8	G1/4	11,5	13,7	16,5	29	15	23
6463 10-1/4	10	G1/4	11,3	15,4	18,5	31,5	17	29

Raccordi Mod. S6520

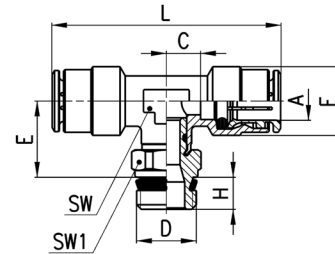
Gomito Maschio Girevole Sprint®



DIMENSIONI										
Mod.	A	D	C	E	F	H	M	SW	SW1	Peso (g)
S6520 4-1/8	4	G1/8	3,5	14,5	9	5,5	17,5	8	12	17
S6520 4-1/4	4	G1/4	3,5	14,5	9	7	17,5	8	14	23
S6520 5-1/8	5	G1/8	5,5	14,5	10	5,5	20,5	9	12	17
S6520 5-1/4	5	G1/4	5,5	14,5	10	7	20,5	9	14	23
S6520 6-1/8	6	G1/8	4	15	12,7	5,5	20	9	12	20
S6520 6-1/4	6	G1/4	4	15	12,7	7	20	9	14	23
S6520 6-3/8	6	G3/8	4	15,5	12,7	8	20	9	19	33
S6520 8-1/8	8	G1/8	5	16	14,2	5,5	22,5	11	12	22
S6520 8-1/4	8	G1/4	5	16	14,2	7	22,5	11	14	26
S6520 8-3/8	8	G3/8	5	16,5	14,2	8	22,5	11	19	41
S6520 8-1/2	8	G1/2	5	17	14,2	9	22,5	11	22	48
S6520 10-1/4	10	G1/4	5,8	18,5	16,5	7	26	13	14	32
S6520 10-3/8	10	G3/8	5,8	19	16,5	8	26	13	19	43
S6520 10-1/2	10	G1/2	5,8	19,5	16,5	9	26	13	22	62
S6520 12-1/4	12	G1/4	7,3	20	19,5	7	26,5	15	17	49
S6520 12-3/8	12	G3/8	7,3	20	19,5	8	26,5	15	19	48
S6520 12-1/2	12	G1/2	7,3	20,5	19,5	9	26,5	15	22	70
S6520 14-3/8	14	G3/8	8,3	21	21,5	8	28,5	17	19	74
S6520 14-1/2	14	G1/2	8,3	21,5	21,5	9	28,5	17	22	78

Raccordi Mod. S6430

T Maschio Girevole Sprint®

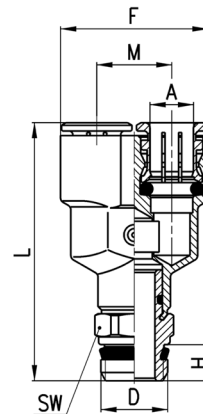


DIMENSIONI										
Mod.	A	D	C	E	F	H	L	SW	SW1	Peso (g)
S6430 4-1/8	4	G1/8	3,5	14,5	9	5,5	35	8	12	18
S6430 5-1/8	5	G1/8	5,5	14,5	10	5,5	41	9	12	24
S6430 5-1/4	5	G1/4	5,5	14,5	10	7	41	9	14	30
S6430 6-1/8	6	G1/8	4	15	12,7	5,5	40	9	12	28
S6430 6-1/4	6	G1/4	4	15	12,7	7	40	9	14	33
S6430 8-1/8	8	G1/8	5	16	14,2	5,5	45	11	12	37
S6430 8-1/4	8	G1/4	5	16	14,2	7	45	11	14	42
S6430 8-3/8	8	G3/8	5	16,5	14,2	8	45	11	19	51
S6430 10-1/4	10	G1/4	5,8	18,5	16,5	7	52	13	14	56
S6430 10-3/8	10	G3/8	5,8	19	16,5	8	52	13	19	67
S6430 10-1/2	10	G1/2	5,8	19,5	16,5	9	52	13	22	85
S6430 12-1/4	12	G1/4	7,3	20	19,5	7	53	15	17	60
S6430 12-3/8	12	G3/8	7,3	20	19,5	8	53	15	19	65
S6430 12-1/2	12	G1/2	7,3	20,5	19,5	9	53	15	22	89
S6430 14-1/2	14	G1/2	8,3	21,5	21,5	9	57	17	22	88

Raccordi Mod. 6451 e Mod. S6450

Mod. 6451: Y Maschio Orientabile Metrico

Mod. S6450: Y Maschio Girevole Sprint®

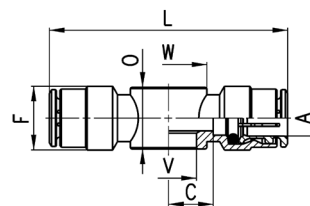


DIMENSIONI									
Mod.	A	D	F	H	L	M	SW	Peso (g)	
6451 4-M5	4	M5	18	4	26,5	9	-	17	*
6451 6-M5	6	M5	24,5	4	29,5	12,5	-	27	*
S6450 4-1/8	4	G1/8	18	5,5	38	9	12	23	
S6450 6-1/8	6	G1/8	24,5	5,5	41,5	12,5	12	33	
S6450 8-1/8	8	G1/8	28,5	5,5	48,5	14,5	14	48	
S6450 8-1/4	8	G1/4	28,5	7	50	14,5	14	50	

* = modello non girevole con guarnizione

Raccordi Mod. 6620 assemblabili con Modelli 1631, 1635

Anello doppio



DIMENSIONI

Mod.	A	C	F	L	O	V	W	Peso (g)
6620 4-M5	4	5	9	38	9	5,1	Ø 9	13
6620 4-1/8	4	7,5	9	43	14,5	9,8	Ø 14	19
6620 6-1/8	6	8	12,7	48	14,5	9,8	Ø 14	24
6620 6-1/4	6	10	12,7	52	14,5	13,2	Ø 18	26
6620 8-1/8	8	8	14,2	51	14,5	9,8	Ø 14	32
6620 8-1/4	8	10	14,2	55	14,5	13,2	Ø 18	34

Raccordi Mod.1631 completi di guarnizioni

01... = Vite Cava Singola

02... = Vite Cava Doppia

03... = Vite Cava Tripla



Mod.

1631 01-

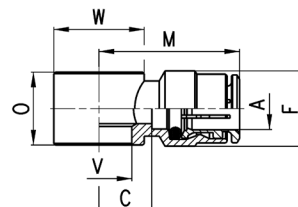
1631 02-

1631 03-

Disegni e quote a pagina
4/2.05.09

Raccordi Mod. 6610 assemblabili con Modelli 1631, 1635

Anello Singolo



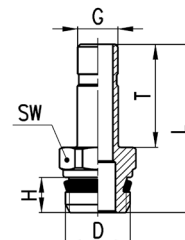
DIMENSIONI

Mod.	A	C	F	M	O	V	W	Peso (g)
6610 4-M5	4	5	9	19	9	5,1	Ø 9	9
6610 4-M6	4	5	9	19	9	5,1	Ø 9	8 •
6610 4-1/8	4	7,5	9	21,5	14,5	9,8	Ø 14	14
6610 5-M5	5	5	10	20	9	5,1	Ø 9	9
6610 5-M6	5	5	10	20	9	5,1	Ø 9	8 •
6610 5-1/8	5	8	10	23	14,5	9,8	Ø 14	16
6610 6-M5	6	6,5	12,7	22,5	9	5,1	Ø 10	12
6610 6-M6	6	6,5	12,7	22,5	9	5,1	Ø 10	12 •
6610 6-1/8	6	8	12,7	24	14,5	9,8	Ø 14	16
6610 6-1/4	6	10	12,7	26	14,5	13,2	Ø 18	19
6610 8-1/8	8	8	14,2	25,5	14,5	9,8	Ø 14	19
6610 8-1/4	8	10	14,2	27,5	14,5	13,2	Ø 18	22
6610 8-3/8	8	11	14,2	28,5	14,5	16,7	Ø 21	23
6610 10-1/4	10	8,8	16,5	29	14,5	13,2	Ø 18	22 *
6610 10-3/8	10	10,3	16,5	30,5	14,5	16,7	Ø 21	23 *
6610 12-1/2	12	12,8	16,5	32	14,5	21	Ø 26	37 *

• = assemblabili solo con Mod.
SCU, SVU, SCO... M5
* = assemblabili solo con Mod.
1635

Raccordi Mod. 6811

Adattatore Maschio
Metrico Sprint®



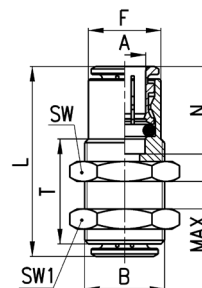
DIMENSIONI

Mod.	G	D	H	T	L	SW	Peso (g)	
6811 4-M5	4	M5	4	16,5	24,5	8	3	*
6811 4-1/8	4	G1/8	5,5	16,5	27,8	12	10	
6811 5-1/8	5	G1/8	5,5	18	29,3	12	9	
6811 5-1/4	5	G1/4	7	18	31	14	11	
6811 6-1/8	6	G1/8	5,5	18	29,3	12	10	
6811 6-1/4	6	G1/4	7	18	31	14	12	
6811 8-1/8	8	G1/8	5,5	20,5	31,8	12	12	
6811 8-1/4	8	G1/4	7	20,5	33,5	14	13	
6811 10-1/4	10	G1/4	7	23	36	14	16	
6811 10-3/8	10	G3/8	8	23	37,3	19	25	
6811 12-3/8	12	G3/8	8	24	38,3	19	25	
6811 14-1/2	14	G1/2	9	28	44	22	39	

* = con O-Ring

Raccordi Mod. 6590

Passaparete

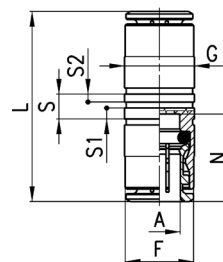


DIMENSIONI

Mod.	A	B	F	L	N	MAX	SW	SW1	T	Peso (g)
6590 4	4	M10x1	8,8	29	14	10,5	14	14	20	16
6590 5	5	M12x1	9,8	31	15	10,5	17	17	20	25
6590 6	6	M14x1	12,5	33	16	10,5	17	17	20	28
6590 8	8	M16x1	14,5	36	17,5	11,5	19	19	21	35
6590 10	10	M18x1	16,3	41,5	20,2	13	22	22	23,5	51
6590 12	12	M20x1	18,8	39,5	19,2	14,5	24	24	25	56
6590 14	14	M22x1	20,5	41,5	20,2	17,5	27	27	30	82

Raccordi Mod. 6580

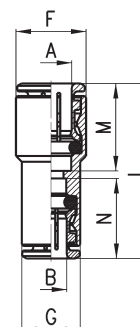
Diritto Intermedio



DIMENSIONI									
Mod.	A	F	G	L	N	S	S1	S2	Peso (g)
6580 4	4	8,4	9	29	14	5	2,2	1,6	11
6580 5	5	9,4	10	31	15	5	2,2	1,6	15
6580 6	6	11,7	12	34	16	5	2,2	1,6	16
6580 8	8	13,7	14	37	17,5	5	2,2	1,6	23
6580 10	10	15,4	17	41,5	20,2	5	2,2	1,6	33
6580 12	12	18,3	19	39,5	19,2	5,2	2,2	1,6	40
6580 14	14	20,5	21	41,5	20,2	5,2	2,2	1,6	47

Raccordi Mod. 6580

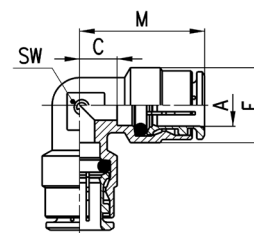
Diritto Ridotto Intermedio



DIMENSIONI								
Mod.	A	B	F	G	L	M	N	Peso (g)
6580 6-4	6	4	12	9	31,5	16	14	12
6580 8-6	8	6	14	12,2	35	17,5	16	19
6580 10-8	10	8	16	14	39	20	17,5	25
6580 12-10	12	10	19	16	40,5	19	20	35

Raccordi Mod. 6550

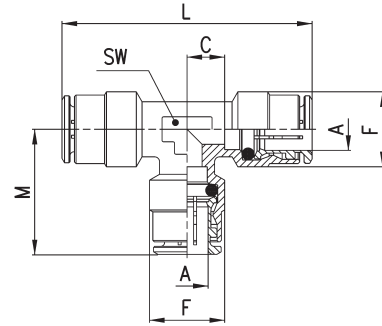
Gomito Intermedio



DIMENSIONI						
Mod.	A	C	F	M	SW	Peso (g)
6550 4	4	3,5	9	17,5	8	8
6550 5	5	5,5	10	20,5	9	15
6550 6	6	4	12,7	20	9	17
6550 8	8	5	14,2	22,5	11	22
6550 10	10	5,8	16,5	26	13	30
6550 12	12	7,3	19,5	26,5	15	44
6550 14	14	8,3	21,5	28,5	17	71

Raccordi Mod. 6540

T Intermedio

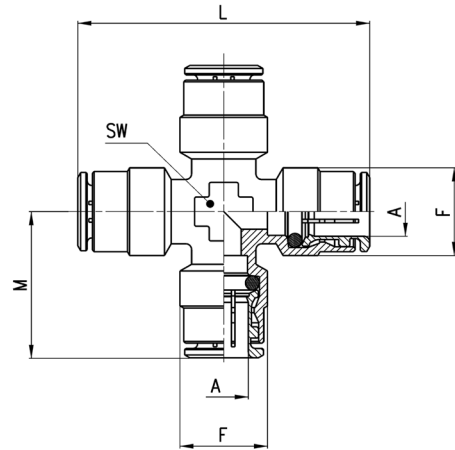


DIMENSIONI

Mod.	A	C	F	L	M	SW	Peso (g)
6540 4	4	3,5	9	35	17,5	8	14
6540 5	5	5,5	10	41	20,5	9	21
6540 6	6	4	12,7	40	20	9	24
6540 8	8	5	14,2	45	22,5	11	32
6540 10	10	5,8	16,5	52	26	13	43
6540 12	12	7,3	19,5	53	26,5	15	60
6540 14	14	8,3	21,5	57	28,5	17	75

Raccordi Mod. 6600

Intermedio a Croce

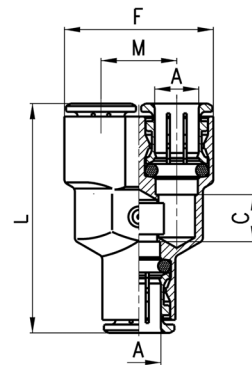


DIMENSIONI

Mod.	A	F	L	M	SW	Peso (g)
6600 4	4	9	38	19	9	26
6600 5	5	10	41	20,5	9	29
6600 6	6	12,7	44	22	10	35
6600 8	8	14,2	49	24,5	12	50
6600 10	10	16,5	55	27,5	14	63
6600 12	12	19,5	56	28	16	84

Raccordi Mod. 6560

Y Intermedio

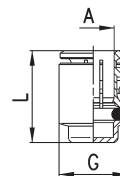


DIMENSIONI

Mod.	A	C	F	L	M	Peso (g)
6560 4	4	5	18	33	9	19
6560 6	6	7	24,5	39	12,5	30
6560 8	8	9	28,5	44	14,5	42
6560 10	10	15,5	32	53,5	16	63

Raccordi Mod. 6750

Tappo femmina

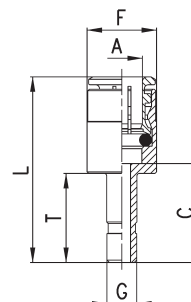


DIMENSIONI

Mod.	A	G	L	Peso (g)
6750 4	4	8,8	15	4
6750 6	6	11,8	17	7
6750 8	8	13,8	18,5	9
6750 10	10	15,8	21	12
6750 12	12	17,8	20	15

Raccordi Mod. 6850

Maggiorazione

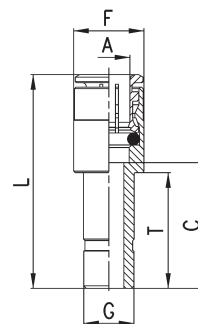


DIMENSIONI

Mod.	A	G	C	F	L	T	Peso (g)
6850 6-4	6	4	17,5	12,7	33,5	16,5	11
6850 8-6	8	6	19	14	36,5	18	15

Raccordi Mod. 6800

Riduzione

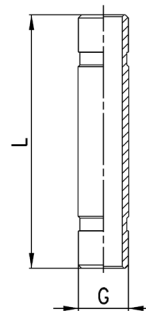


DIMENSIONI

Mod.	A	G	C	F	L	T	Peso (g)
6800 4-5	4	5	19	9	33	18	8
6800 4-6	4	6	15,5	9	29,5	18	9
6800 4-8	4	8	18	9	32	20,5	10
6800 5-6	5	6	19	10	34	18	11
6800 5-8	5	8	18	10	33	20,5	12
6800 6-8	6	8	18	12,7	34	20,5	12
6800 6-10	6	10	20,5	12,7	36,5	23	17
6800 6-12	6	12	17,5	12,7	33,5	24	21
6800 8-10	8	10	20,5	14	38	23	15
6800 8-12	8	12	21,5	14	39	24	22
6800 10-12	10	12	20,3	16,5	40,5	24	27
6800 10-14	10	14	24,3	16,5	44,5	28	33
6800 12-14	12	14	24,3	18,8	45,5	28	27

Raccordi Mod. 6950

Giunzione

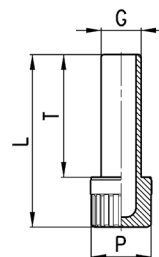


DIMENSIONI

Mod.	G	L	Peso (g)
6950 4	4	32,5	3
6950 6	6	35,5	4
6950 8	8	40,5	7
6950 10	10	46	10
6950 12	12	48	13
6950 14	14	52	17

Accessorio Mod. 6900

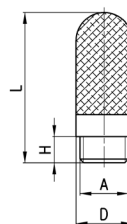
Tappo Maschio in plastica



DIMENSIONI

Mod.	G	L	P	T	Peso (g)
6900 4	4	29	8	20	1
6900 5	5	29,5	8	20,5	1
6900 6	6	31,5	8	22,5	1
6900 8	8	34,5	12	24,5	2
6900 10	10	37	12	27	2
6900 12	12	40,5	16	28,5	3
6900 14	14	42,5	16	30,5	3

Silenziatori Serie 2938



INGOMBRI

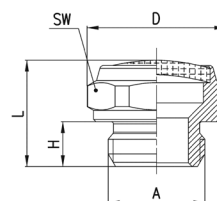
Mod.	A	D	H	L	Max Press. Utilizzo	Portata NI/min	Rumorosità db (A)
2938 M5	M5	6,5	4,1	23	10	546	67
2938 1/8	G1/8	12,5	5,7	34	10	1441	75
2938 1/4	G1/4	15,5	7	42,5	10	2752	79
2938 3/8	G3/8	18,5	11,5	67,5	10	4735	73
2938 1/2	G1/2	23,5	11	77	10	8534	86

S/L1



Temperatura di utilizzo:
- 40 / + 80 °C

Silenziatori Mod. 2901

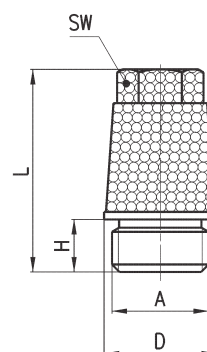


INGOMBRI									
Mod.	A	D	H	L	SW	Max Press.	Utilizzo	Portata NI/min	Rumorosità db (A)
2901 1/8	G1/8	15,3	5	12	14	10		700	76
2901 1/4-17	G1/4	18,5	6	14	17	10		1000	78
2901 1/4-22	G1/4	23,5	6	15	22	10		1600	80
2901 3/8	G3/8	23,5	7	16	22	10		1500	76
2901 1/2	G1/2	29,5	8	17,5	27	10		3400	86
2901 3/4	G3/4	34	9	20	32	6		4100	87
2901 1	G1	43	11	24,5	40	6		7600	88

SIL1



Silenziatori Serie 2921

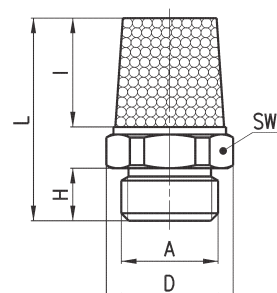


INGOMBRI									
Mod.	A	D	H	L	SW	Max Press.	Utilizzo	Portata NI/min	Rumorosità db(A)
2921 1/8	G1/8	12	4,5	21,5	8	10		1730	81
2921 1/4	G1/4	15	6	28	10	10		3300	85
2921 3/8	G3/8	19	8	37	13	10		4250	79
2921 1/2	G1/2	23	9	43,5	15	10		6800	87
2921 3/4	G3/4	30	10	56	19	10		9800	84
2921 1	G1	37	12	67	24	10		10900	86

SIL1



Silenziatori Serie 2931



INGOMBRI										
Mod.	A	D	H	I	L	SW	Max Press.	Utilizzo	Portata NI/min	Rumorosità db (A)
2931 M5	M5	7,7	4	8	16,5	7		10	450	69
2931 M7	M7	9	5	8,5	20	8		10	1130	76
2931 1/8	G1/8	13	4,5	13	21	12		10	1927	88
2931 1/4	G1/4	16,2	6	16,5	27	15		10	3200	86
2931 3/8	G3/8	20	7	23	35,5	19		10	4560	81
2931 1/2	G1/2	24,5	8	28	42	23		10	6800	87
2931 3/4	G3/4	32	9	37	54	30		10	9600	84
2931 1	G1	38,5	11	47	67	36		10	10800	86

SIL1





CODE

A

ZE003109	G 1/8"
ZE003110	G 1/4"
ZE003111	G 3/8"
ZE003112	G 1/2"



ENTRATA = ① = IN
USCITA SILENZIATA = ② = SILENCED OUT



CODE

A

SLK00001	G 1/8"
SLK00002	G 1/4"
SLK00003	G 3/8"
SLK00004	G 1/2"



ENTRATA = ① = IN
USCITA SILENZIATA = ② = SILENCED OUT



CODE

Ø Tubo

Ø1

Ø2

ZK440400	4	12	4,5
ZK440600	6	12	4,5
ZK440800	8	14,5	4,5
ZK441000	10	18	4,5
ZK441200	12	20	4,5

Per cilindri
For cylinders



TIPI DISPONIBILI AVAILABLE TYPES

ENTRATA ARIA = ① = AIR IN
USCITA ARIA = ② = AIR OUT



CODE

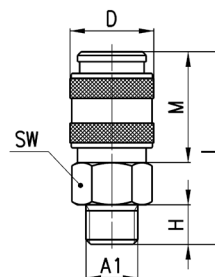
øTubo

Ø1

ZK3804M5C	ZK3804M5V	ZK3804M5B	4	M5
ZK3804M6C	ZK3804M6V	ZK3804M6B	4	M6
ZK380418C	ZK380418V	ZK380418B	4	G 1/8"
ZK380414C	ZK380414V	ZK380414B	4	G 1/4"
ZK380618C	ZK380618V	ZK380618B	6	G 1/8"
ZK380614C	ZK380614V	ZK380614B	6	G 1/4"
ZK380638C	ZK380638V	ZK380638B	6	G 3/8"
ZK380612C	ZK380612V	ZK380612B	6	G 1/2"
ZK3806M5C	ZK3806M5V	ZK3806M5B	6	M5
ZK3806M6C	ZK3806M6V	ZK3806M6B	6	M6
ZK380818C	ZK380818V	ZK380818B	8	G 1/8"
ZK380814C	ZK380814V	ZK380814B	8	G 1/4"
ZK380838C	ZK380838V	ZK380838B	8	G 3/8"
ZK380812C	ZK380812V	ZK380812B	8	G 1/2"
ZK381018C	ZK381018V	ZK381018B	10	G 1/8"
ZK381014C	ZK381014V	ZK381014B	10	G 1/4"
ZK381038C	ZK381038V	ZK381038B	10	G 3/8"
ZK381012C	ZK381012V	ZK381012B	10	G 1/2"
ZK381214C	ZK381214V	ZK381214B	12	G 1/4"
ZK381238C	ZK381238V	ZK381238B	12	G 3/8"
ZK381212C	ZK381212V	ZK381212B	12	G 1/2"

Raccordi Mod. 5051 Serie Mini e Mod. 5081 Standard Europeo

Giunto Maschio Cilindrico



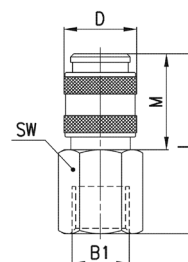
DIMENSIONI

Mod.	A1	Ø	D	H	L	M	SW	Peso (g)
5051 1/8	G1/8	5	17	6	35	20,5	14	28
5051 1/4	G1/4	5	17	8	37	20,5	17	37
5081 1/4	G1/4	7	25	8	47,5	34,5	22	93
5081 3/8	G3/8	7	25	9	48,5	34,5	22	92
5081 1/2	G1/2	7	25	10	49,5	34,5	24	107



Raccordi Mod. 5053 Serie Mini e Mod. 5083 Standard Europeo

Giunto Femmina Cilindrico



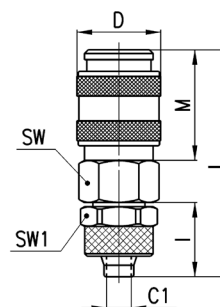
DIMENSIONI

Mod.	B1	Ø	D	L	M	SW	Peso (g)
5053 1/8	G1/8	5	17	37,5	20,5	14	33
5053 1/4	G1/4	5	17	39,5	20,5	17	44
5083 1/4	G1/4	7	25	47,5	34,5	17	88
5083 3/8	G3/8	7	25	49	34,5	20	93
5083 1/2	G1/2	7	25	53	34,5	24	103



Raccordi Mod. 5054 Serie Mini e Mod. 5084 Standard Europeo

Giunto a Calzamento



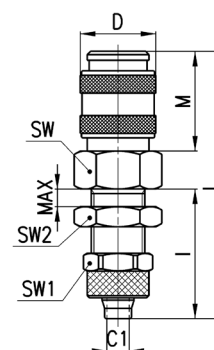
DIMENSIONI

Mod.	Tubo	Ø	C1	D	I	L	M	SW	SW1	Peso (g)
5054 6/4	6/4	5	3	17	15	44	20,5	14	12	36
5054 8/6	8/6	5	5	17	15	44	20,5	14	14	38
5084 8/6	8/6	7	5	25	15	54,5	34,5	22	14	99
5084 10/8	10/8	7	6,5	25	16,5	56	34,5	22	16	103



Raccordi Mod. 5055 Serie Mini

Giunto Passaparete a Calzamento



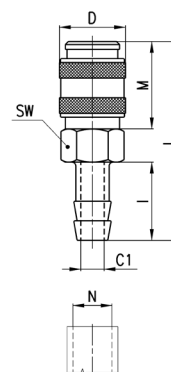
DIMENSIONI

Mod.	Tubo	Ø	C1	D	I	L	Max	SW	SW1	SW2	Peso (g)
5055 6/4	6/4	5	3	17	29	58	20,5	14	12	14	44
5055 8/6	8/6	5	5	17	29	58	20,5	17	14	17	52



Raccordi Mod. 5056 Serie Mini e Mod. 5086 Standard Europeo

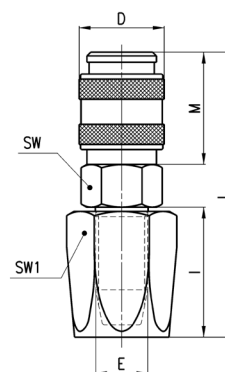
Giunto a Resca



DIMENSIONI									
Mod.	N	Ø	C1	D	I	L	M	SW	Peso (g)
5056 06	6	5	3	17	20	49	20,5	14	30
5056 09	9	5	5	17	20	49	20,5	14	32
5086 09	9	7	5	25	20	59,5	34,5	22	95
5086 12	12	7	8	25	20	59,5	34,5	22	96



Giunto Portagomma

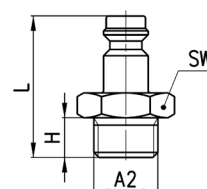


DIMENSIONI										
Mod.	Tubo	Ø	E	D	I	L	M	SW	SW1	Peso (g)
5057 6x14	6 x 14	5	9	17	25	54,5	20,5	17	17	62
5087 6x14	6 x 14	7	9	25	25	64,5	34,5	22	17	117
5087 8x17	8 x 17	7	10	25	25	64,5	34,5	22	19	123
5087 10x19	10 x 19	7	12	25	27	66,5	34,5	22	22	141
5087 13x23	13 x 23	7	15	25	37	76,5	34,5	22	27	195



Raccordi Mod. 5150 Profilo Mini e Mod. 5180 Profilo Europeo

Innesto Maschio

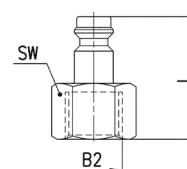


DIMENSIONI						
Mod.	A2	Ø	H	L	SW	Peso (g)
5150 1/8	G1/8	5	6	26	13	12
5150 1/4	G1/4	5	8	28,5	17	19
5180 1/4	G1/4	7	8	33	17	21
5180 3/8	G3/8	7	9	34	19	26
5180 1/2	G1/2	7	10	35,5	24	34



Raccordi Mod. 5350 Profilo Mini e Mod. 5380 Profilo Europeo

Innesto Femmina

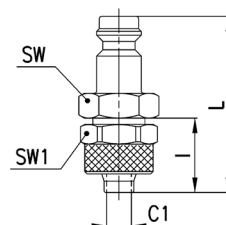


DIMENSIONI					
Mod.	B2	Ø	L	SW	Peso (g)
5350 1/8	G1/8	5	25,5	13	14
5350 1/4	G1/4	5	27,5	17	18
5380 1/4	G1/4	7	31,5	17	21
5380 3/8	G3/8	7	32,5	19	23
5380 1/2	G1/2	7	36,5	24	37



Raccordi Mod. 5450 Profilo Mini e Mod. 5480 Profilo Europeo

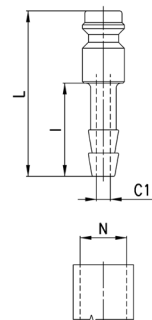
Innesto a Calzamento



DIMENSIONI								
Mod.	Tubo	Ø	C1	I	L	SW	SW1	Peso (g)
5450 6/4	6/4	5	3	15	35	12	12	17
5450 8/6	8/6	5	5	15	35	13	14	22
5480 8/6	8/6	7	5	15	39,5	14	14	25
5480 10/8	10/8	7	6,5	16,5	41,5	17	16	33

Raccordi Mod. 5650 Profilo Mini e Mod. 5680 Profilo Europeo

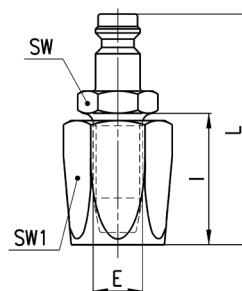
Innesto a Calzamento



DIMENSIONI						
Mod.	N	Ø	C1	I	L	Peso (g)
5650 06	6	5	3	20	35,5	8
5650 09	9	5	5	20	35,5	11
5680 06	6	7	3	20	40	14
5680 09	9	7	5	20	40	15
5680 12	12	7	7	20	40	19

Raccordi Mod. 5750 Profilo Mini e Mod. 5780 Profilo Europeo

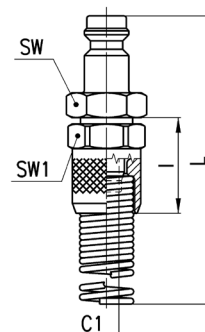
Innesto Portagomma



DIMENSIONI								
Mod.	Tubo	Ø	E	I	L	SW	SW1	Peso (g)
5750 6x14	6 X 14	5	9	25	45	14	17	40
5780 6x14	6 X 14	7	9	25	50	14	17	44
5780 8x17	8 X 17	7	10	25	50	14	19	50
5780 13x23	13 X 23	7	15	37	62	19	27	123

Raccordi Mod. 5850 Profilo Mini e Mod. 5880 Profilo Europeo

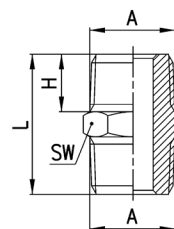
Innesto con Molla



DIMENSIONI								
Mod.	Tubo	Ø	C1	I	L	SW	SW1	Peso (g)
5850 6/4	6/4	5	3	19	111,5	12	12	27
5850 8/6	8/6	5	5	19	116	14	14	40
5880 8/6	8/6	7	5	19	120	14	14	44
5880 10/8	10/8	7	6,5	21,5	125	17	16	55

Raccordi Mod. 2500

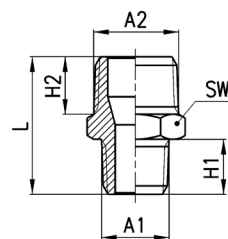
Niplo Conico



DIMENSIONI					
Mod.	A	H	L	SW	Peso (g)
2500 1/8	R1/8	7,5	19,5	12	9
2500 1/4	R1/4	11	27	14	16
2500 3/8	R3/8	11,5	28	17	21
2500 1/2	R1/2	14	33,5	22	41
2500 3/4	R3/4	16,5	40	27	80
2500 1	R1	19	45,5	34	125

Raccordi Mod. 2510

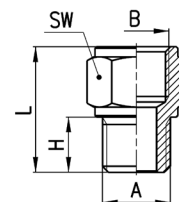
Niplo Ridotto Conico



DIMENSIONI							
Mod.	A1	A2	H1	H2	L	SW	Peso (g)
2510 1/8-1/4	R1/8	R1/4	7,5	11	23,5	14	14
2510 1/8-3/8	R1/8	R3/8	7,5	11,5	24	17	18
2510 1/4-3/8	R1/4	R3/8	11	11,5	27,5	17	20
2510 1/4-1/2	R1/4	R1/2	11	14	30,5	22	34
2510 3/8-1/2	R3/8	R1/2	11,5	14	31	22	34
2510 1/2-3/4	R1/2	R3/4	14	16,5	37,5	27	67

Raccordi Mod. 2521

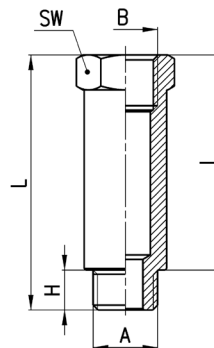
Prolunga Riduzione Metrica-Cilindrica



DIMENSIONI						
Mod.	A	B	H	L	SW	Peso (g)
2521 M5-1/8	M5	G1/8	4	14	13	7
2521 1/8-1/8	G1/8	G1/8	6	16	13	8
2521 1/8-1/4	G1/8	G1/4	6	17,5	17	14
2521 1/8-3/8	G1/8	G3/8	6	18,5	20	30
2521 1/4-1/4	G1/4	G1/4	8	19,5	17	16
2521 1/4-3/8	G1/4	G3/8	8	20,5	20	20
2521 1/4-1/2	G1/4	G1/2	8	24,5	24	33
2521 3/8-3/8	G3/8	G3/8	9	21,5	20	22
2521 3/8-1/2	G3/8	G1/2	9	25,5	24	35
2521 1/2-1/2	G1/2	G1/2	10	26,5	24	36

Raccordi Mod. 2525

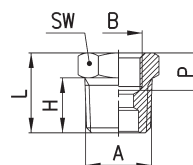
Prolunga Maschio Cilindrica



DIMENSIONI							
Mod.	A	B	H	I	L	SW	Peso (g)
2525 1/8-16	G1/8	G1/8	6	16	22	13	12
2525 1/8-36	G1/8	G1/8	6	36	42	13	24
2525 1/4-27	G1/4	G1/4	8	27	35	17	30
2525 1/4-43	G1/4	G1/4	8	43	51	17	45

Raccordi Mod. 2530

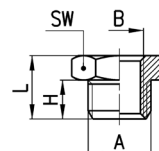
Riduzione Conica



DIMENSIONI							
Mod.	A	B	H	L	P	SW	Peso (g)
2530 1/4-1/8	R1/4	G1/8	11	16	6	14	9
2530 3/8-1/8	R3/8	G1/8	11,5	16,5	8,5	17	17
2530 1/2-1/8	R1/2	G1/8	14	19,5	9,5	22	12
2530 3/8-1/4	R3/8	G1/4	11,5	16,5	7	17	34
2530 1/2-1/4	R1/2	G1/4	14	19,5	9,5	22	30
2530 1/2-3/8	R1/2	G3/8	14	19,5	8	22	24
2530 3/4-3/8	R3/4	G3/8	16,5	23	11,5	27	67
2530 3/4-1/2	R3/4	G1/2	16,5	23,5	9,5	27	48
2530 1-1/2	R1	G1/2	19	27	14	34	131

Raccordi Mod. 2531

Riduzione Cilindrica

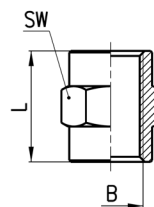


DIMENSIONI							
Mod.	A	B	H	L	SW	Peso (g)	
2531 1/8-M5	G1/8	M5	6	10,5	13	8	*
2531 1/4-1/8	G1/4	G1/8	8	13	17	11	*
2531 3/8-1/8	G3/8	G1/8	9	14	19	17	
2531 3/8-1/4	G3/8	G1/4	9	14	19	12	*
2531 1/2-1/8	G1/2	G1/8	10	15,5	24	32	
2531 1/2-1/4	G1/2	G1/4	10	15,5	24	29	
2531 1/2-3/8	G1/2	G3/8	10	15,5	24	22	*

* = con filetto passante

Raccordi Mod. 2543

Manicotto

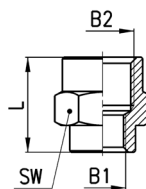


DIMENSIONI

Mod.	B	L	SW	Peso (g)
2543 M5	M5	11	8	3
2543 1/8	G1/8	15	13	8
2543 1/4	G1/4	22	17	19
2543 3/8	G3/8	23	20	19
2543 1/2	G1/2	28	24	29

Raccordi Mod. 2553

Manicotto Riduzione

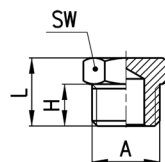


DIMENSIONI

Mod.	B1	B2	L	SW	Peso (g)
2553 M5-1/8	M5	G1/8	13,5	13	7
2553 1/8-1/4	G1/8	G1/4	17	17	18
2553 1/8-3/8	G1/8	G3/8	18	20	18
2553 1/8-1/2	G1/8	G1/2	21,5	24	28
2553 1/4-3/8	G1/4	G3/8	19,5	20	21
2553 1/4-1/2	G1/4	G1/2	23	24	32
2553 3/8-1/2	G3/8	G1/2	24	24	31

Raccordi Mod. 2611

Tappo Maschio Cilindrico

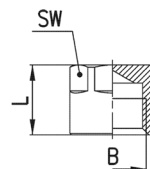


DIMENSIONI

Mod.	A	H	L	SW	Peso (g)
2611 M5	M5	4	7,5	8	2
2611 1/8	G1/8	6	10,5	13	7
2611 1/4	G1/4	8	13	17	13
2611 3/8	G3/8	9	14	19	18
2611 1/2	G1/2	10	15,5	24	31
2611 1	G1	13	19	38	76

Raccordi Mod. 2613

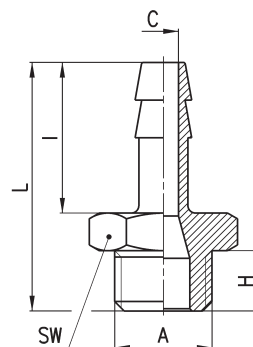
Tappo Femmina Cilindrico



DIMENSIONI				
Mod.	B	L	SW	Peso (g)
2613 1/8	G1/8	11	12	6
2613 1/4	G1/4	13,5	15	13
2613 3/8	G3/8	15,5	18	19
2613 1/2	G1/2	22,5	19	33

Raccordi Mod. 2601

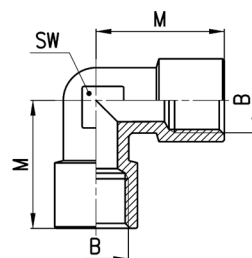
Portagomma Maschio
Metrico-Cilindrico



DIMENSIONI								
Mod.	N	A	C	H	I	L	SW	Peso (g)
2601 2-M5	2	M5	1,2	4	8	16	8	2
2601 4,5-M5	4	M5	2,5	4	15	23	8	3
2601 7-1/8	7	G1/8	4	6	20	30	12	9
2601 7-1/4	7	G1/4	4	8	20	33	17	16
2601 8-1/8	8	G1/8	5	6	20	30	12	10
2601 9-1/8	9	G1/8	5,5	6	20	30	12	11
2601 9-1/4	9	G1/4	6	8	20	33	17	17
2601 9-3/8	9	G3/8	6	9	20	34	19	21
2601 12-1/4	12	G1/4	8,5	8	20	33	17	20
2601 12-3/8	12	G3/8	9	9	20	34	19	23
2601 12-1/2	12	G1/2	9	10	20	35,5	24	34
2601 17-3/8	17	G3/8	12	9	24	38	19	31
2601 17-1/2	17	G1/2	13	10	24	39,5	24	41

Raccordi Mod. 2013

Gomito Femmina Cilindrico



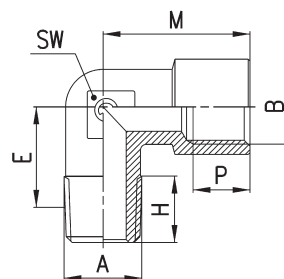
DIMENSIONI

Mod.	B	M	SW	Peso (g)
2013 1/8	G1/8	19	11	16
2013 1/4	G1/4	23	14	28
2013 3/8	G3/8	25	16	39
2013 1/2	G1/2	31,5	20	69

Raccordi Mod. 2021 e Mod. 2020

Mod. 2021: Gomito Maschio Femmina Metrico

Mod. 2020: Gomito Maschio Femmina Conico

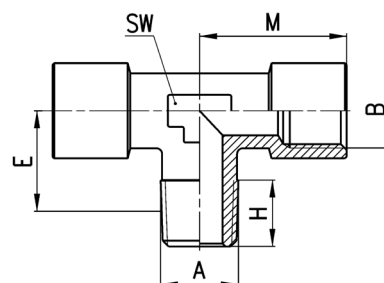


DIMENSIONI

Mod.	A	B	E	H	M	P	SW	Peso (g)
2021 M5-M5	M5	M5	9	4	10,5	4,5	9	7
2020 1/8-1/8	R1/8	G1/8	11,5	8,5	19	6	11	17
2020 1/4-1/4	R1/4	G1/4	15	11	23	7	13	27
2020 3/8-3/8	R3/8	G3/8	15	11,5	25	8	15	33
2020 1/2-1/2	R1/2	G1/2	17,5	14	31,5	9,5	20	63
2020 3/4-3/4	R3/4	G3/4	19	16	36,5	16,5	25	126
2020 1-1	R1	G1	23	17	45	19	30	209

Raccordi Mod. 2060

T.F.M.F.

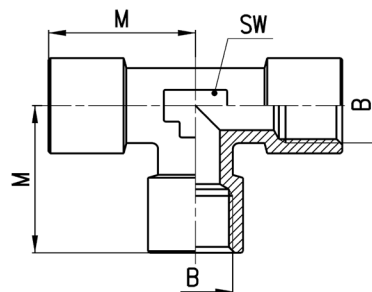


DIMENSIONI

Mod.	A	B	E	H	M	SW	Peso (g)
2060 1/8-1/8	R1/8	G1/8	11,5	8,5	19	12	22
2060 1/4-1/4	R1/4	G1/4	15	11	23	13	38
2060 3/8-3/8	R3/8	G3/8	15	11,5	25	16	49
2060 1/2-1/2	R1/2	G1/2	17,5	14	31,5	20	89

Raccordi Mod. 2003

T Femmina

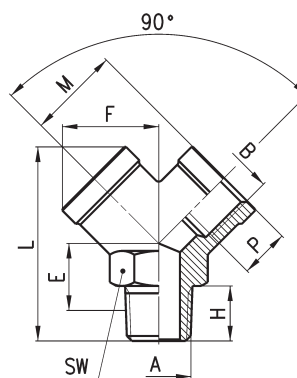


DIMENSIONI

Mod.	B	M	SW	Peso (g)
2003 1/8	G1/8	19	12	23
2003 1/4	G1/4	23	13	39
2003 3/8	G3/8	25	16	54
2003 1/2	G1/2	31,5	20	97

Raccordi Mod. 2040

Y.F.M.F.

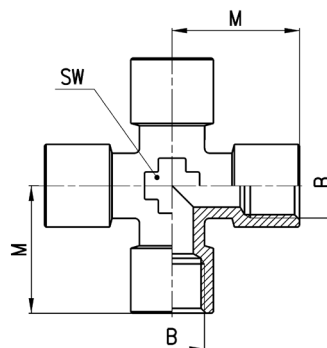


DIMENSIONI

Mod.	A	B	E	F	H	L	M	P	SW	Peso (g)
2040 1/8-1/8	R1/8	G1/8	9,5	14,5	8	32	14	8	13	22
2040 1/4-1/4	R1/4	G1/4	12	18	11	38	17,5	11	17	38
2040 3/8-3/8	R3/8	G3/8	13,5	20,5	11,5	42,5	19	11,5	20	52
2040 1/2-1/2	R1/2	G1/2	15,5	26,5	14	53	24,5	14	25	110

Raccordi Mod. 2033

Croce Femmina

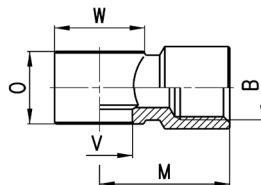


DIMENSIONI

Mod.	B	M	SW	Peso (g)
2033 1/8	G1/8	19	12	27
2033 1/4	G1/4	23	14	51
2033 3/8	G3/8	25	16	70

Raccordi Mod. 2023 assemblabili con Mod. 1631, 1635

Anello Singolo Filettato



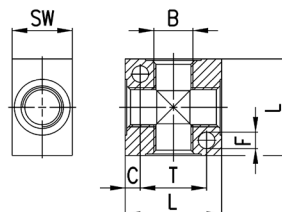
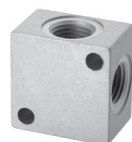
DIMENSIONI						
Mod.	B	M	O	V	W	Peso (g)
2023 M5-M5	M5	10,5	9	5,1	□ 9	6
2023 M5-M6	M5	10,5	9	5,1	□ 9	6 •
2023 1/8-1/8	G1/8	20	14,5	9,8	Ø 14	14
2023 1/4-1/4	G1/4	23,5	14,5	13,2	Ø 18	21 *
2023 3/8-3/8	G3/8	26,5	14,5	16,7	Ø 21	27 *

* = assemblabili con Mod. 1635

Accessori Mod. 3033

Blocchetto 4 Vie con fori di fissaggio

Materiale: Alluminio anodizzato

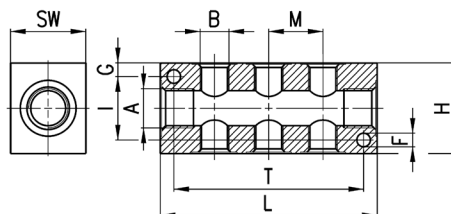


DIMENSIONI							
Mod.	B	C	F	L	T	SW	Peso (g)
3033 1/8	G1/8	4	4,5	25	17	16	18
3033 1/4	G1/4	5	5,5	32	22	20	35
3033 3/8	G3/8	7	5,5	40	26	25	73
3033 1/2	G1/2	8	5,5	50	34	30	137

Accessori Mod. 3043

Collettore con Uscite Contrapposte

Materiale: Alluminio anodizzato



DIMENSIONI												
Mod.	A	USCITE LATERALI DOPPIE	B	F	G	H	I	L	M	T	SW	Peso (g)
3043 1/4-3D-1/8	1/4	3	1/8	4,5	4,5	30	21	72	18	63	20	85
3043 1/4-4D-1/8	1/4	4	1/8	4,5	4,5	30	21	90	18	81	20	107
3043 1/4-5D-1/8	1/4	5	1/8	4,5	4,5	30	21	108	18	99	20	128
3043 1/4-6D-1/8	1/4	6	1/8	4,5	4,5	30	21	126	18	117	20	151
3043 3/8-3D-1/4	3/8	3	1/4	5,5	6	40	28	92	24	75	25	177
3043 3/8-4D-1/4	3/8	4	1/4	5,5	6	40	28	116	24	99	25	224
3043 3/8-5D-1/4	3/8	5	1/4	5,5	6	40	28	140	24	123	25	270
3043 3/8-6D-1/4	3/8	6	1/4	5,5	6	40	28	164	24	147	25	315
3043 1/2-3D-3/8	1/2	3	3/8	5,5	6,5	50	37	104	26	85	30	287
3043 1/2-4D-3/8	1/2	4	3/8	5,5	6,5	50	37	130	26	111	30	356
3043 1/2-5D-3/8	1/2	5	3/8	5,5	6,5	50	37	156	26	137	30	427
3043 1/2-6D-3/8	1/2	6	3/8	5,5	6,5	50	37	182	26	163	30	495