

Tournaire torque recommendations for Aluminium bottles

! UN packaging - important. In the case of UN-approved packaging for the transport of dangerous goods, it is necessary to refer to the **approval certificate** for the appropriate closure combination(s) and the tightening torque of the associated cap.

● UN-capable ranges carry the "UN range" badge ● the corresponding UN torques are shown in bold pink in the dedicated column.

9M6 CAPACITY 19 to 125 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
Europa 6 lisse	PE/ALU/PEE	Without T15 plug	manual screwing 1 to 1,5 N·m

GPI24 CAPACITY 275 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
GPI24	PTFE	Without	2 to 4 N·m

AP25 CAPACITY 20 to 63 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
PRO25	ALU/PET	Without	2 to 3 N·m
	PTFE/PEE	Without	
VISTOP25	PE/ALU/PEE	Without	2 to 4 N·m

AP28 CAPACITY 38 to 125 ml

UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
VISTOP 28	PE/ALU/PEE	Without	2 to 4 N·m	2 N·m

ATK31 CAPACITY 315 to 550 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
ATK31	Polexan	Without	2 to 4 N·m

PRO32 CAPACITY 50 to 1 100 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
PRO32*	PET/CAR	O24 / O24 EZ plug	3 to 5 N·m
	ALU/PET/PEE	Without	
	PTFE/PEE	Without	

SYSTEM PLUS® 32 CAPACITY 50 to 1 100 ml

UN RANGE

CAP	LINER	ACCESSORY	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
PLUS32	PET/CAR	O24 / O24 EZ plug	4 N·m
	PTFE/PEE	O24 / O24 EZ plug	
	Triseal	Without	
	Corelen/PE/ ALU/PE	Without	
	PE/ALU/PEE	Without	
	PTFE/PEE	O24 / O24 EZ plug	
		Without	

SYSTEM PLUS® 45 CAPACITY 625 to 1 250 · 2 500 to 6 250 ml

UN RANGE

CAPACITY	CAP	LINER	ACCESSORY	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
625 to 1 250 ml	PLUS45*	PE/ALU/PEE	Without	9 N·m
			O28 plug	7 N·m
		PTFE/PEE	Without	7 N·m
	PLUS45L*	PTFE	alu disc	7 N·m
2 500 to 6 250 ml	PLUS45*	PE/ALU/PEE	Without	7 N·m
			O28 plug	6 N·m
		PTFE/PEE	Without	6 N·m
	PLUS45L*	PTFE	alu disc	6 N·m
			Without	7 N·m

SYSTEM PLUS® 45M CAPACITY 1 100 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
PLUS45*	PE/ALU/PEE	Without	5 to 7 N·m
		O28 plug	

SYSTEM PLUS® 50 (white CHEM50) CAPACITY 1 250 to 6 250 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
PLUS50* (white CHEM50)	PE/ALU/PEE	Without	6 to 8 N·m
	PTFE/PEE	O39 plug	
		Without	

SYSTEM PLUS® 62 CAPACITY 1 250 to 32 000 ml

UN RANGE

CAP	LINER	ACCESSORY	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
PLUS62*	PE/ALU/PEE	Without	10 N·m
		O46 plug	
	PTFE/PEE	Without	10 N·m
	PTFE/PEE 3mm	Without	12 N·m
	PE/ALU/PEE 3mm	Without	16 N·m

OMNI PLUS® 32 CAPACITY 50 to 315 ml

UN RANGE

CAP	LINER	ACCESSORY	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
OMNI PLUS® 32*	PET/CAR	O25 plug	4 N·m
	PE/ALU/PEE	Without	
		O25 plug	
	PTFE/PEE	Without	

OMNI PLUS® 50 CAPACITY 625 to 2 500 ml

UN RANGE

CAP	LINER	ACCESSORY	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
OMNI PLUS® 50*	PE/ALU/PEE 3mm	Without	7 N·m
		MO plug	
	PTFE/PEE 3mm	Without	

CHEM 42 CAPACITY 120 to 1 100 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
AGROCHEM42*	PE/ALU/PEE	Without O28 plug	5 to 7 N·m
CHILDPROOF CRC 42	PE/ALU/PEE	Without	3 to 5 N·m

GV45 CAPACITY 5 500 ml

UN RANGE

CAP	LINER	ACCESSORY	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
Glocke 45	PTFE	Without	6 N·m
KS45	PTFE	Without	

CHEM50 CAPACITY 1 100 ml

UN RANGE

CAP	LINER	ACCESSORY	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
CHEM50*	PE/ALU/PEE	O39 plug	10 N·m

L70 CAPACITY 28 000 ml

UN RANGE

CAP	LINER	ACCESSORY	TORQUE STATED IN THE UN APPROVAL CERTIFICATE (IN N·M)
L70	PTFE/PEE	Without	14 N·m

TYPE4 / TYPE4S CAPACITY 2 500 to 30 000 ml

NO UN RANGE

CAP	LINER	ACCESSORY	TORQUE (NO UN PACKAGING)
Type4*	PE/ALU/PEE	Without O70 plug	10 to 12 N·m

Additional information**NOTE**

These conditions are given for information only, but do not relieve the user from testing according to the packaged product, the screwing system, the type of seal and other conditions specific to the user.

TIGHTENING NUT

* A tightening nut exists for these cap models.

The tightening nut can be operated manually, without a key or device. The tightening-nut assembly + hexagon socket 6.35 / 14 is required for tightening with a torque wrench.

TORQUE WRENCHES

Tightening can be performed with any standard commercial torque wrench covering the required torque range. For information, our Laboratory uses two FACOM models:

- Wrenches with audible trigger, no reset: ref. R.208-25 (5-25 N·m) / R.306-5 (1-5 N·m)
- Dial wrench: ref. R.250 A (2-9 N·m)

Note: to use the tightening-nut assembly + hexagon socket 6.35 / 14 offered for certain cap models, the wrench must be fitted with a suitable socket.