

## 0. GENERAL DESCRIPTION

If you have purchased an **ARGAL** pump, follow below instructions and local/national rules for a safe use.

The personnel in charge of installation, operation and maintenance of ASTRA evo pumps must be qualified to carry out the operations described in this manual.

**ARGAL** shall not be held responsible for the training level of personnel and for the fact that they are not fully aware of the contents of this manual.

### 0.1 PUMP IDENTIFICATION

MODEL		MATERIALS										CONNECTIONS CONFIGURATION							
		CHAMBERS		VERSION	DIAPHRAGMS		BALLS	BALL SEATS	O-RING	TYPE	SUCTION		DISCHARGE						
160		WR		N	Y		T	P	V	G									
007	1/4"	WR	PP+GFR	N	PP+GFR center block	M	TPV (**)	T	PTFE	P	PP	D	EPDM	G	THREADS BSP	L	LEFT	L	LEFT
015	1/4"	FC	PVDF+CF	X	PP+CF center block			S	AISI 316L	K	PVDF	V	FKM	N	THREADS NPT	R	RIGHT	R	RIGHT
020	3/8"	AL	AL	A	Alu center block	H	TPE (***)	D	EPDM	S	AISI 316L	T	PTFE	I	FLANGES ISO PN10	F	FRONT CENTRAL	F (*1)	FRONT CENTRAL
030	1/2"	SS	AISI 316L	2	White painted Alu center block	L	TPV + PTFE	N	NBR	A	AL	N	NBR	A	FLANGES ANSI #150	B	BACK CENTRAL	B	BACK CENTRAL
060	1/2"	SP	AISI 316L electro-polished		Y	TPE + PTFE	V	FKM	Z	PE-UHMW	K	FFKM	C	CLAMP (*)	V	TOP CENTRAL	V	TOP CENTRAL	
080	3/4"	DL	POMc+GFR (*2)	4	Grey painted Alu center block	D	EPDM	O		POMc (*2)						X	SPLITTED	X	SPLITTED
		WC	PP+CF			N	NBR												
100	1"			6	ATEX painted Alu center block	V	FKM	(*) only configuration SPN/SPX											
160	1"				R	NBR + PTFE (*2)	(**) commercial designation: Santoprene® (ExxonMobil), Geolast® (ExxonMobil)												
400	1"1/2			W	Pump without logos	(***) commercial designation: Keyflex® (LG Chem Ltd.), Hytre® (LG Chem Ltd.)													
650	2"			F	Free version	(*1) F-F not recommended													
				S	Submersible pump	(*2) only DDE 007													

### 0.2 CONNECTIONS CONFIGURATION

You can get different options for **ASTRA evo** pump connections. The standard configuration of the **ASTRA evo** series is with the suction placed to the left of the air connection, while the discharge is positioned in the upper part of the pump, on the left side of the air connection.

**Standard configurations:**

007÷650 WR\_/WC\_/FC\_ : G LL

030÷650 AL\_ : G LL

030÷160 SS\_/SP\_ : G LL / C LL

400÷650 SS\_/SP\_ : G FB / C FB

