

MSA Series

Mechanical Diaphragm Metering pumps

Dosy Series is a mechanical diaphragm metering pump with spring return and PPS housing.

FEATURES

■ FLOW RATE	from 10 to 90 L/h
■ MAX PRESSURE	5 bar
■ STROKE RATE	30 – 50 – 100 – 150 -166 strokes/minute
■ DIAPHRAGM DIAMETER	70 mm
■ STROKE LENGTH	4 mm



TECHNICAL FEATURES

MODEL	DIAPHRAGM DIAMETER [mm]	STROKES RATE [Strokes/min]	FLOW RATE [L/h]	MAX PRESSURE [bar]		CONNECTIONS		MOTOR [kW]	WEIGHT [Kg]		WOODEN BOX SIZE (LxWxH) (mm)
				SS316L	PVC	SS316L	PVC		SS316L	PVC	
MSAF070P	70	30	10	5	5	1/2"gf	8x12 (Standard) DN15 (Option)	0,04	11	8	430x280x370
MSAF070O		50	20								
MSAF070N		100	40								
MSAF070M		150	60								
MSAF070R		166	90								

PUMP HEAD MATERIALS

SS316L, PVC PUMP HEAD

PTFE DIAPHRAGM

MAX DOSAGE TEMPERATURE

– SS316L pump head 90° C

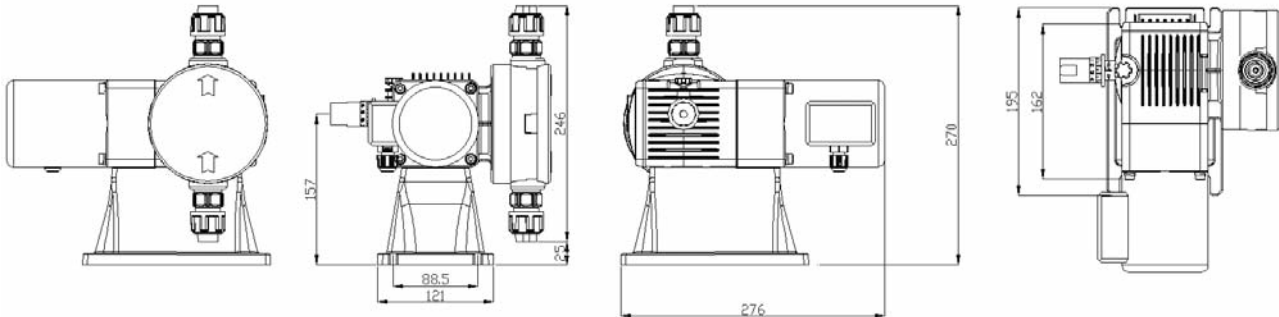
– PVC pump head 40° C



MOTOR CHARACTERISTICS

■ POWER SUPPLY	380V-50HZ-3 phase 220V-50HZ-single phase
■ PROTECTION CLASS	IP55; Insulation : F

DIMENSIONAL DRAWINGS



INSTALLATION KIT (for PVC pump head only)



Injection valve (PVC)
(G3/8", G1/2")



Foot valve (PVC)



Suction tube
(PVC, 2m, 8x12)

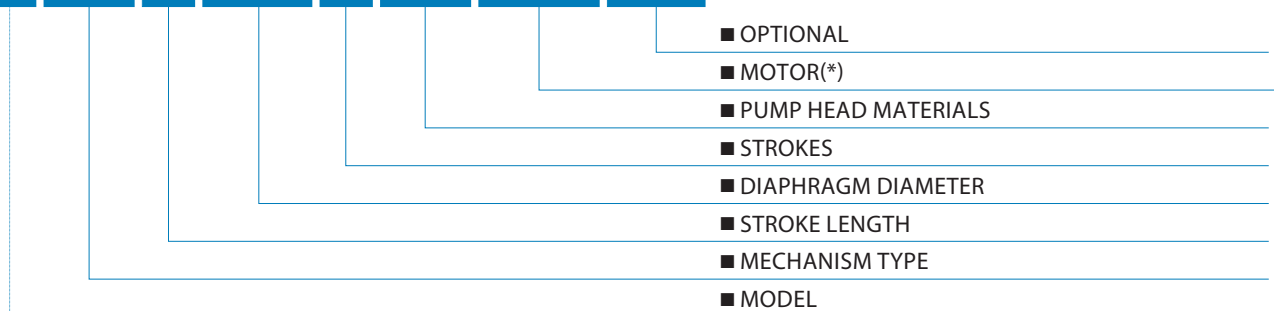


Delivery tube
(PE, 3m, 8x12)

	STANDARD		ON REQUEST	
	21	31	24	34
PUMP HEAD	SS316L	PVC	SS316L	PVC
DIAPHRAGM	PTFE			
SEAL	FPM	EPDM		
VALVES	SS316L	Ceramic	SS316L	Ceramic
VALVE SEATS	SS316L	PTFE	SS316L	PTFE

EPDM seal is also available upon request, EPDM seal is applicable to alkaline chemical, and FPM seal is applicable to acid chemical.

M SA F 070 M 31 XS/XC 080 PUMP IDENTIFICATION



(*) XS 380V-50HZ 3 PHASE – XC 220V-50HZ SINGLE PHASE