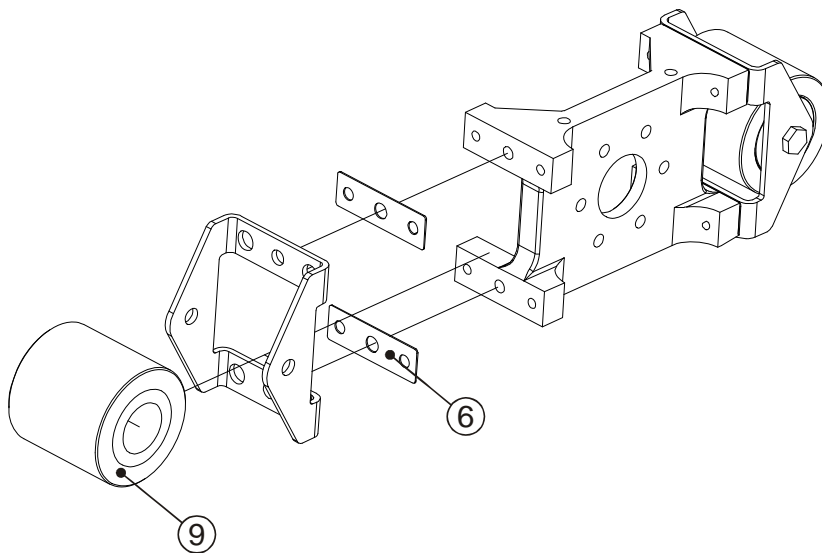


- The positioning of the pump should allow easy access for all kinds of maintenance operations.
- **Suction:** The pump should be as near as possible to the supply of liquid so that the suction pipe is as short and straight as possible. The suction pipe should be perfectly airtight and made of suitable material so that it does not collapse due to the internal drop in vacuum. The minimum diameter should be similar to that of the tubular element. With viscous fluids a larger diameter is recommendable. (Consult manufacturer or distributor). The pump has automatic suction and does not need an inlet. The pump is reversible, and so the suction connection can be either one of the two. (Normally the one which adapts itself physically better to the installation would be chosen). It is recommendable to use a flexible connection between the piping and the collars of the pump in order to avoid the transmission of vibration to the piping.
- **Impulsion:** To reduce power being absorbed, use the straightest and shortest piping possible. The diameter should be the same as the nominal diameter of the pump, excepting precise calculations of load losses. With viscous fluids a bigger diameter is needed. (Consult the manufacturer or distributor). Connecting the fixed piping to the pump with a length of flexible pipe facilitates maintenance and avoids vibrations and loads on the pump. Fix the piping firmly. The impulsion is slightly pulsatory: To avoid such effect, it is advisable to install adequate pulsation dampeners. (See accessories.)

## ROLLER PRESSURE ADJUSTMENT

The peristaltic pump, includes a shims ( Figure 6 ), that are used to adjust the exact pressing distance of the roller ( figure 9 ).



The shims are installed from factory to work at the work conditions indicated ( in function of the speed and the work pressure), and following the next tables:

DFB22 ( Number of shims of 0.5 mm. )

rpm	0-19	20-39	40-59	60-79	80-99
PSI					
7.25	2	2	1	1	1
29	2	2	2	2	2
58	3	3	2	2	2
87	3	3	3	--	--
116	4	3	--	--	--

## WORK CONDITIONS

---

There are a limits of temperatures and pressures, in function of the hose selected. Those limits are the next:

MATERIAL	TEMPERATURE MIN. (°F)	TEMPERATURE MAX. (°F)	AMBIENT TEMPERATURE MIN. (°F)	PRESSURE MAX. (PSI)
NR	-4	176	-40	116
NBR	14	176	-40	116
EPDM	14	176	-40	116
NR-A	14	176	-40	116
NBR-A	14	176	-40	116

## PERFORMANCE CURVES

---