

# 05

## **TUBES AND HOSE REELS**

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The H.P. units can be equipped with one or two hose reels, either manual or electric driven. They can fit hoses made of high resistant material and specially meant for the fire-fighting market. They are available in different sizes and lengths.



## 1AM HOSE (DIN EN 857)



Application: Low/medium pressure hydraulic system with mineral and vegetable oils, aqueous solution, air, inert gases.

**Composition:**

**Internal hose:** substratum of synthetic rubber resistant to oils.

**Exterior:** black synthetic rubber resistant to abrasion, oils, fuels, ozone, atmospheric agents.

**Reinforcement:** 1 braid of high resistant steel.

Working temperature -40°C/+100°C, +125°C max discontinuously.

DN	Ø INT.	Ø EXT.	WORKING PRESSURE		BURST PRESSURE		WEIGHT
			bar	PSI	bar	PSI	
3/8"	9,9 mm	15,7 mm	180 bar	2610 PSI	720 bar	10440 PSI	0,260 kg
1/2"	13 mm	19,5 mm	160 bar	2320 PSI	640 bar	9280 PSI	0,340 kg

## 2AM HOSE (EN 853 – SAE 100 R2AT)



Application: Low/medium pressure hydraulic system with mineral and vegetable oils, aqueous solution, air, inert gases.

**Composition:**

**Internal hose:** substratum of synthetic rubber resistant to oils.

**Exterior:** black synthetic rubber resistant to abrasion, oils, fuels, ozone, atmospheric agents.

**Reinforcement:** 2 braid of high resistant steel.

Working temperature -40°C/+100°C, +125°C max discontinuously.

DN	Ø INT.	Ø EXT.	WORKING PRESSURE		BURST PRESSURE		WEIGHT
			bar	PSI	bar	PSI	
3/8"	9,5 mm	18,9 mm	330 bar	4785 PSI	1320 bar	19140 PSI	0,550 kg
1/2"	12,7 mm	22,2 mm	275 bar	3988 PSI	1100 bar	15950 PSI	0,650 kg

The high pressure kits can be equipped with one or two hose reels fixed on the frame of the motorpump. There are two main types of hose reels: manual and electric.

We also have available transportable hose reels, in the manual version and with max. 50mt hose. For special requirements please contact Fireco.

## MANUAL STEEL HOSE REEL

MAX. HOSE REEL WORKING PRESSURE	MAX. HOSE REEL CAPACITY
250 Bar	100m Ø3/8" 1AM / 90m Ø1/2" 1AM

## ELECTRICAL-DRIVEN STEEL HOSE REEL

MAX. HOSE REEL WORKING PRESSURE	MAX. HOSE REEL CAPACITY
250 Bar	100m Ø3/8" 1AM / 90m Ø1/2" 1AM

Available in 12V or 24V (note: in case of 24V hose reel, the electrical connection has always to be performed by the bobybuilder).

In order to choose the correct hose type in reference to the pump model, please refer to this table.

## DIAPHRAGM PUMPS

PUMP MODEL (FLOW- PRESSURE)	RECOMMENDED HOSE SIZE	
50 l - 40 bar	3/8" 1AM	1/2" 1AM
70 l - 40 bar	1/2" 1AM	
80 l - 40 bar	1/2" 1AM	
100 l - 50 bar	1/2" 1AM	
135 l - 20 bar	1/2" 1AM	

## PISTON PUMPS

PUMP MODEL (FLOW- PRESSURE)	RECOMMENDED HOSE SIZE	
42 l - 100 bar	3/8" 1AM	
42 l - 150 bar	3/8" 1AM	
34 l - 170 bar	3/8" 1AM	
21 l - 200 bar	3/8" 2AM	
150 l - 100 bar	3/8" 1AM	1/2" 1AM

A different type of hose can cause the incorrect working of the motorpump.