



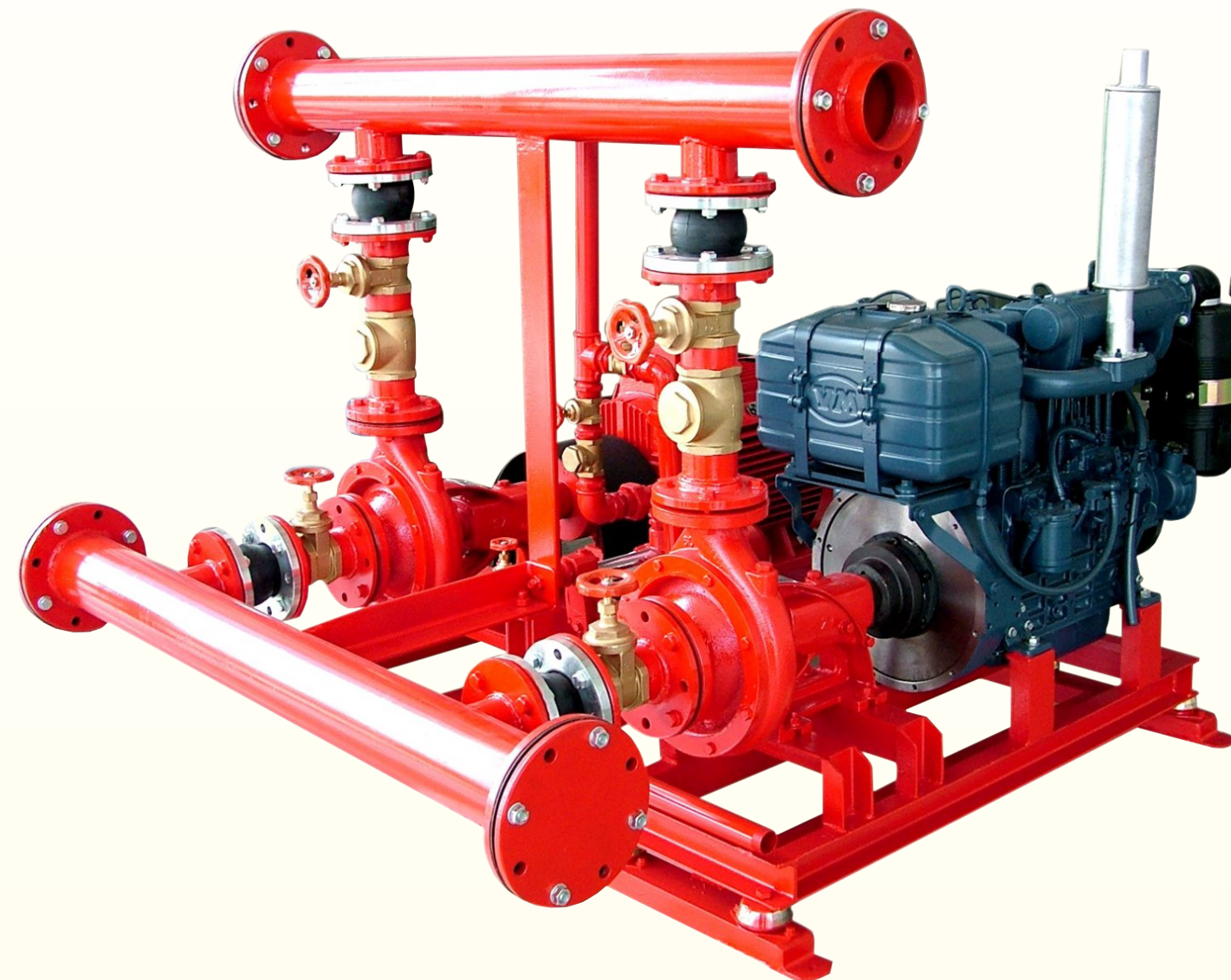
FIRE FIGHTING UNIT



All fire-fighting pumping units are delivered pre-assembled on a base plate,
mounted via vibration dampers.
They are ready for hydraulic and electrical installation.
The customer is required to perform the hydraulic connection of the manifolds
with the fire fighting piping network
and the electrical connection of the control panel of the unit.



BRENTAS PC FIRE FIGHTING UNIT



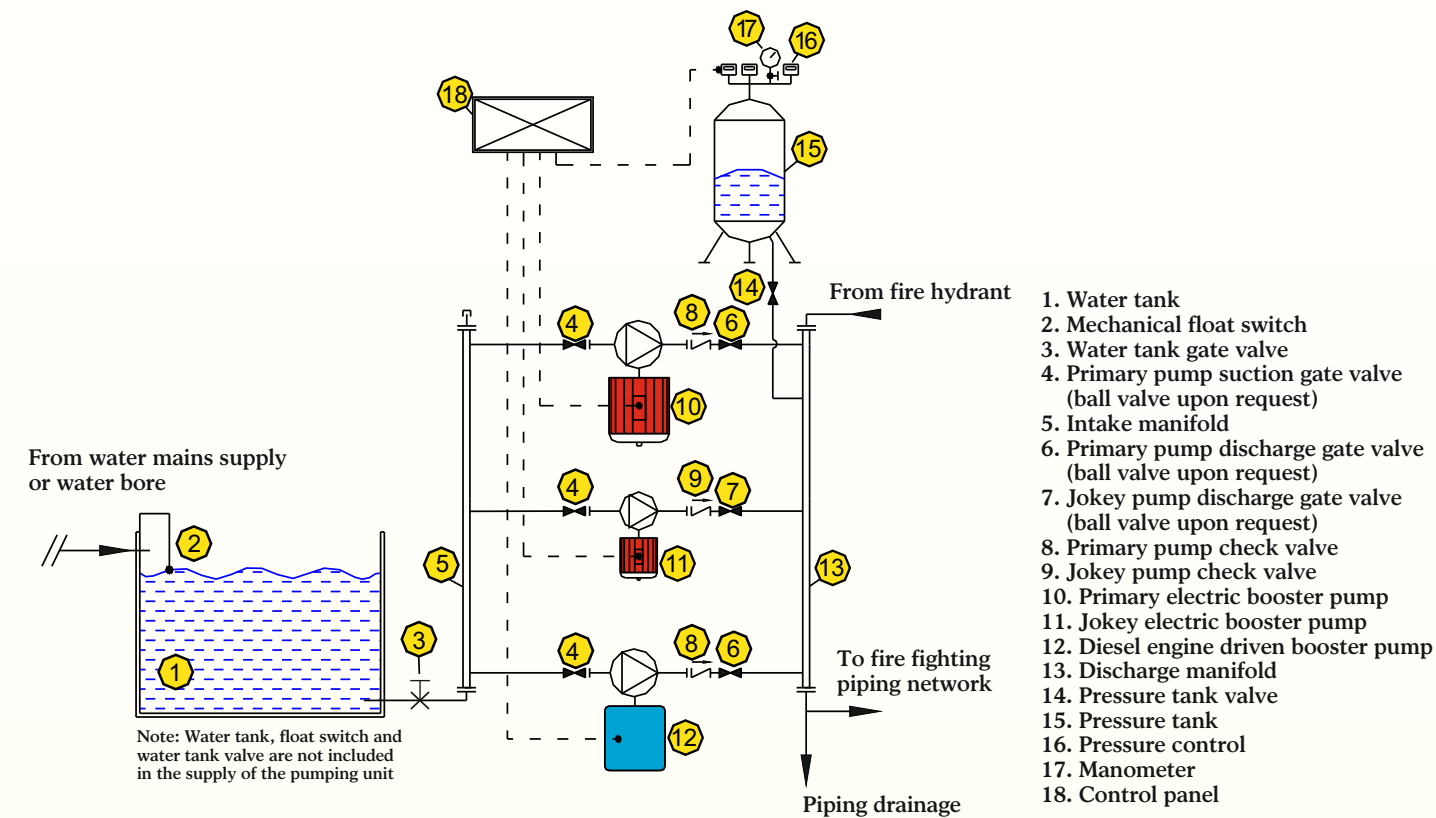
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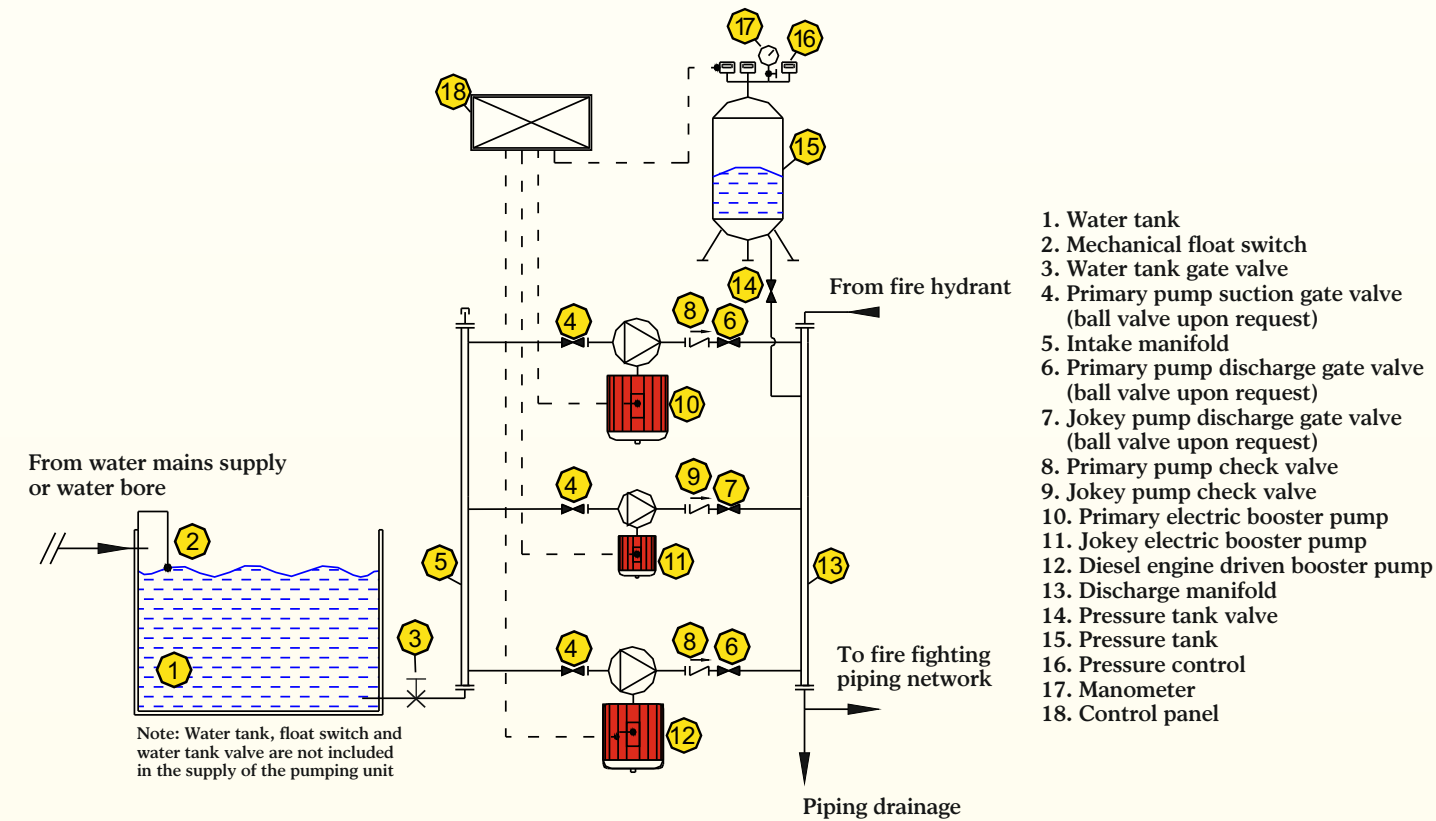
DIAGRAM OF FIRE FIGHTING UNIT

TECHNICAL DESCRIPTION

FIRE FIGHTING UNIT – CONFIGURATION 1



FIRE FIGHTING UNIT – CONFIGURATION 2



1. Diesel pumping unit

Centrifugal single or multistage pump, chosen according to required flow rate and pressure. It is manufactured according to the highest standards and complies with C.E. directives. Diesel engine models can be water or air-cooled, ranging up to 90 HP, and are chosen at 20% more power than required for the given application. Electric starting via battery of sufficient amperage.

2. Primary electric pumping unit

Centrifugal single or multistage pump, chosen according to required flow rate and pressure. It is manufactured according to the highest standards and complies with C.E. directives. Electric engine at 2900 rpm, 380V, IP54, class F, Y-Δ starting. The engine is sized according to pump specifications. The unit may be in MONOBLOC configuration or coupled.

3. JOKEY electric pumping unit

Centrifugal single or multistage pump, chosen according to required flow rate and pressure head. Normally, the Jokey pump delivers small flow rate at higher pressure than the primary pump and is used to keep the piping network pressurized. The pump may be horizontal or vertical, 220V or 380V. It is manufactured according to the highest standards and complies with C.E. directives.

4. Pressure vessel

Equipped with EPDM membrane, which offers long product life and endurance. The vessel is epoxy painted to ensure maximum protection against corrosion. Capacity ranges from 100 to 500 lt.

5. Battery

Included in the supply and mounted on a special support on the unit's base plate.

6. Control panel

Water proof, IP54 protection, constructed of DKP steel sheet. It includes all necessary electronic and electric equipment for the fully automated operation of the fire fighting unit. A battery charger is also included to keep the battery of the diesel engine charged continuously.

7. Controls and fittings, pressure switches, manometers, piping, valves, check valves, manifolds etc

TECHNICAL CHARACTERISTICS

TYPE	POWER			PRESSURE VESSEL(LIT)	FLOW RATE (m³/h)	PRESSURE (mWC)	DN (mm)	WEIGHT (kgr.)	DIMENSIONS W x L x H
	DIESEL (HP)	ELECTRIC (HP)	JOKEY (HP)						
BR/10-7,5-1	10	7.5	1	200	15-27-40	52-44-30	90	260	1,1X1,4X1,7
BR/12-10-2	12	10	2	200	37-46-52	55-42-27	100	295	1,1X1,4X1,7
BR/16-15-2	16	15	2	200	17-39-48	78-60-59	100	355	1,15X1,6X1,7
BR/22-20-2	22	20	2	300	40-60-80	70-63-55	100	580	1,5X1,8X1,7
BR/27-25-2	27	25	2	300	47-66-80	81-67-58	100	605	1,5X1,8X1,7
BR/42-30-3	42	30	3	300	51-70-83	81-78-62	100	712	1,5X1,85X1,7
BR/45-40-3	45	40	3	500	62-86-90	87-80-71	100	812	1,6X1,9X1,9
BR/64-50-3	64	50	3	500	51-110-130	97-87-66	125	1100	1,9X2,2X1,9
BR/90-75-4	90	75	4	500	52-112-172	141-120-82	150	1212	2X2,3X2
BR/140-100-4	140	100	4	500	75-180-260	150-127-90	150	1525	2X2,6X2