

The diagram illustrates a hydronic heating system with a three-way valve and two pumps. The system includes the following components and connections:

- Three-Way Valve:** A central valve that can route flow from the external air intake (Presa Aria Esterna) to the radiator (ESPULSIONE) or from the return (RIPRESA) to the radiator.
- External Air Intake (Presa Aria Esterna):** Connected to the top of the three-way valve. It includes a pressure sensor (TE 1.1) and a flow meter (A 2).
- Return (RIPRESA):** Connected to the bottom of the three-way valve. It includes a pressure sensor (TE 1.2) and a flow meter (A 1).
- ESPULSIONE (Radiator):** Connected to the top of the three-way valve. It includes a pressure sensor (TE 1.2) and a flow meter (A 1).
- MANDATA (Supply):** Connected to the bottom of the three-way valve. It includes a pressure sensor (TE 1.2) and a flow meter (A 1).
- Pumps:** Two pumps, VR4 and VM4, are used to circulate the fluid. VR4 is connected to the return line, and VM4 is connected to the supply line.
- Flow Meters and Sensors:** Various sensors and meters are used to monitor the system, including TE 1.1, TE 1.2, A 1, A 2, A 3, A 4, A 5, and A 6.
- Control System:** The system is controlled by a three-way valve (E/A) and a temperature controller (TC 1).
- Water Network (Rete Acqua Calda / Refrigerata):** A separate network is shown with a pressure sensor (PCV), a flow meter (A 5), and a temperature sensor (T).

BATTERIE DI RISCALDAMENTO

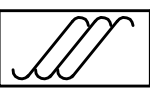
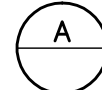
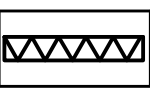
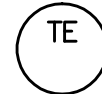
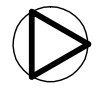
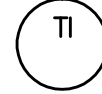
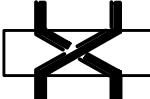
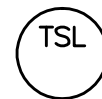
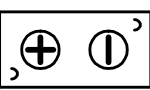






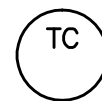

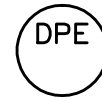




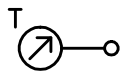
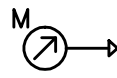


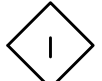

FUNZIONE :	RE	RECUPERO
	PRE	PRERISCALDAMENTO
	POST	POSTRISCALDAMENTO
	ES	SULL'ESPULSIONE CIRCUITO RECUPERO
TIPO :	A	ACQUA
	V	VAPORE
	G-X	ACQUA + GLICOLE X%

* PORTATA CON RECUPERO EFF. 50%

SILENZIATORE
LUNGHEZZA MINIMA : 1200 mm
ABBATTIMENTO MINIMO
A 250 Hz : 30 dB

SEZIONI VENTILANTI	
FUNZIONE :	M R EXP
	MANDATA RIPRESA ESPULSIONE
TIPO :	A PV C AV RA RP
	ASSIALE PASSO VARIABILE IN MOTO CENTRIFUGO PALE IN AVANTI PALE ROVESCE PROFILO ALARE PALE ROVESCE PROFILO PIANO
	* * *
	MASSIMA POTENZA SONORA MISURATA A UN METRO

SEZIONI FILTRANTI			
FUNZIONE :	PF	PREFILTRI	
	F	FILTRI	
	FA	FILTRI FINALI	
CLASSE :	G4	EFF. GRAV. >	- 90%
	F5	" COLOR.	60%
	F6	" COLOR.	80%
	F7	" "	90%
	F8	" "	95%
TIPO :	P	PIANO	
	R	RULLO	
	S	A SACCO	
	T	A SACCO A TASCHE RIGIDE	

LEGENDA			
	GRIGLIE AFONICHE DI PRESA ARIA E/O ESPULSIONE		ALLARME
	FILTRI PIANI		SONDA DI TEMPERATURA
	SEZIONE VENTILANTE		TERMOMETRO PER ARIA
	RECUPERATORE DI CALORE ARIA - ARIA STATICO		TERMOSTATO ANTIGELO
	BATTERIA RISCALDAMENTO E RAFFREDDAMENTO		FUNZIONE DI VALVOLA DI REGOLAZIONE
	SERRANDA DI TARATURA		PRESSOSTATO DIFFERENZIALE
	VALVOLA DI INTERCETTAZIONE		INDICATORE DI PRESSIONE DIFFERENZIALE
	VALVOLA A SFERA		REGOLATORE DI PORTATA
	VALVOLA DI TARATURA CON ATTACCHI PIEZOMETRICI		SONDA DI PRESSIONE DIFFERENZIALE
	VALVOLA A TRE VIE		MECCANISMO DI COMANDO A MOTORE ELETTRICO
	SCARICO CONVOGLIATO		FILTRO A Y
	TERMOMETRO		MANOMETRO
	ACQUA CALDA MANDATA		ACQUA CALDA RITORNO
	INTERBLOCCO		SONDA UMIDITA' RELATIVA

M.05

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Oggetto:

Stato di progetto
Schema funzionale strumentato
REC 04 BAR

Comune di Milano
Provincia di Milano

Committente:
A.S. MASSERONI MARCHESE
via Madruzzo 3, 20149 Milano (MI)
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www.masseronimarchese.it

Progetto per la realizzazione di un nuovo impianto sportivo

File nr.: 1024_M-05.dwg

Fase:
Progetto esecutivo

Progettisti:
Arch.Stefano Gaudimundo

Consulenti per l'implantistica:
S. & C. s.a.s.

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