

woda gorąca / hot water

woda zmieszana / mixed water

woda zimna / cold water

para wodna / steam

Reference Drawing

Drawing No.	Title
WHAL-VLD-07NDx00-TPM-PFD-0001	Schemat ideowy systemu wody sieciowej dla AC / DH water system conceptual diagram for HA
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Revisions

Rev.	Date	Drawn by	Checked by	Approved by	Purpose of issue description
1	12-01-2025	S.Pawlak	J.Szeleszczyk	T.Kleszcz	Mapa wydana do SWZ / Map issued to TOR
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Project Title

WHAL

Scale

Document Title

Size

Warianty pracy akumulatora ciepła / Variants of operation of the heat accumulator

WBS Code

Contractor's document number

VEOLIA Project document number

Number of pages

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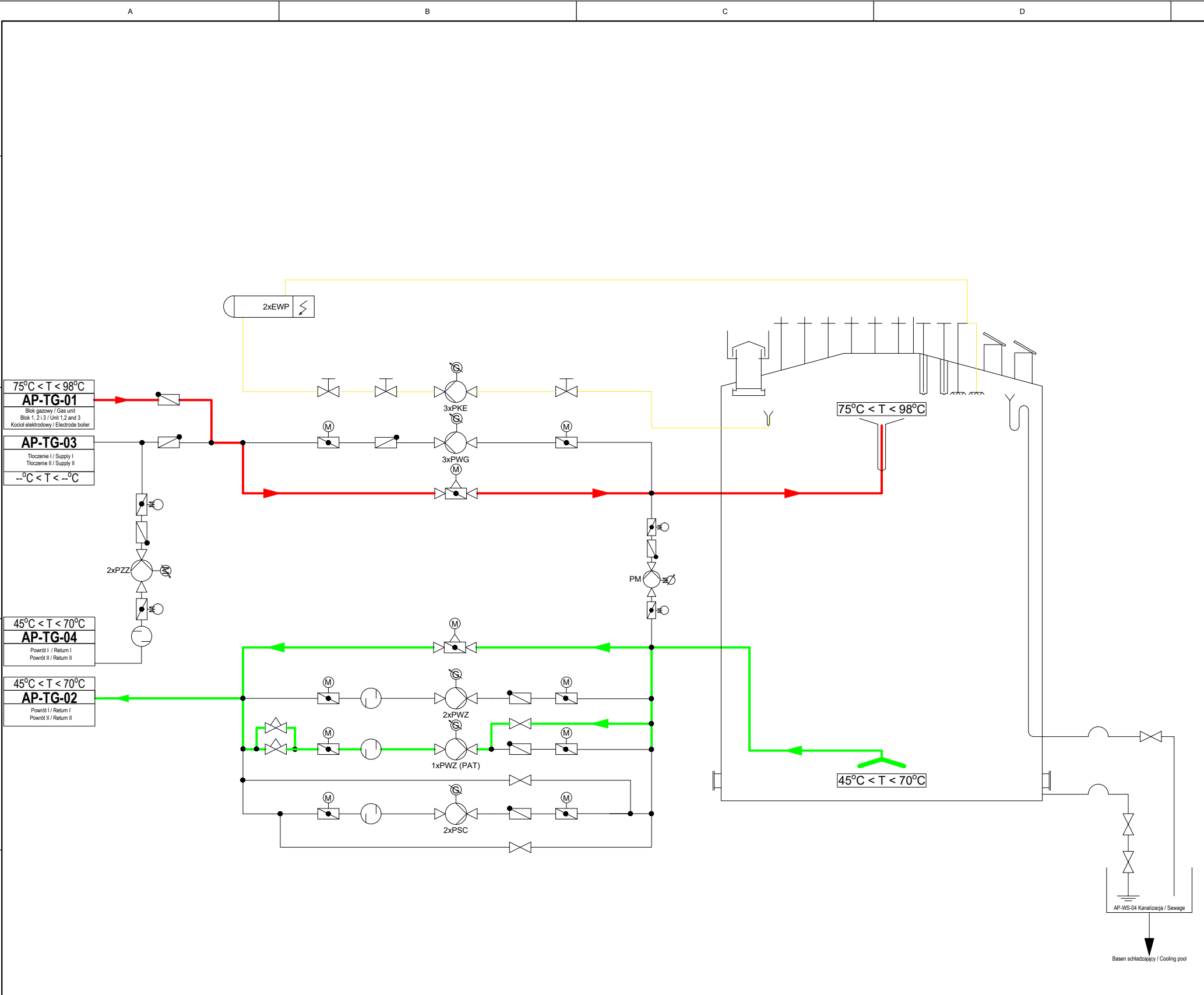
Origin document number

Variant / Variant

1

Ładowanie z wykorzystaniem zaworów / Loading with valves

Variant występujący przy niewielkich obciążeniach strumienia ładowania akumulatora -brak możliwości napędzenia pompy PAT / Variant occurring at low loads of the accumulator loading flow - no possibility to run the PAT pump



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Warianty pracy akumulatora ciepła / Variants of operation of the heat accumulator

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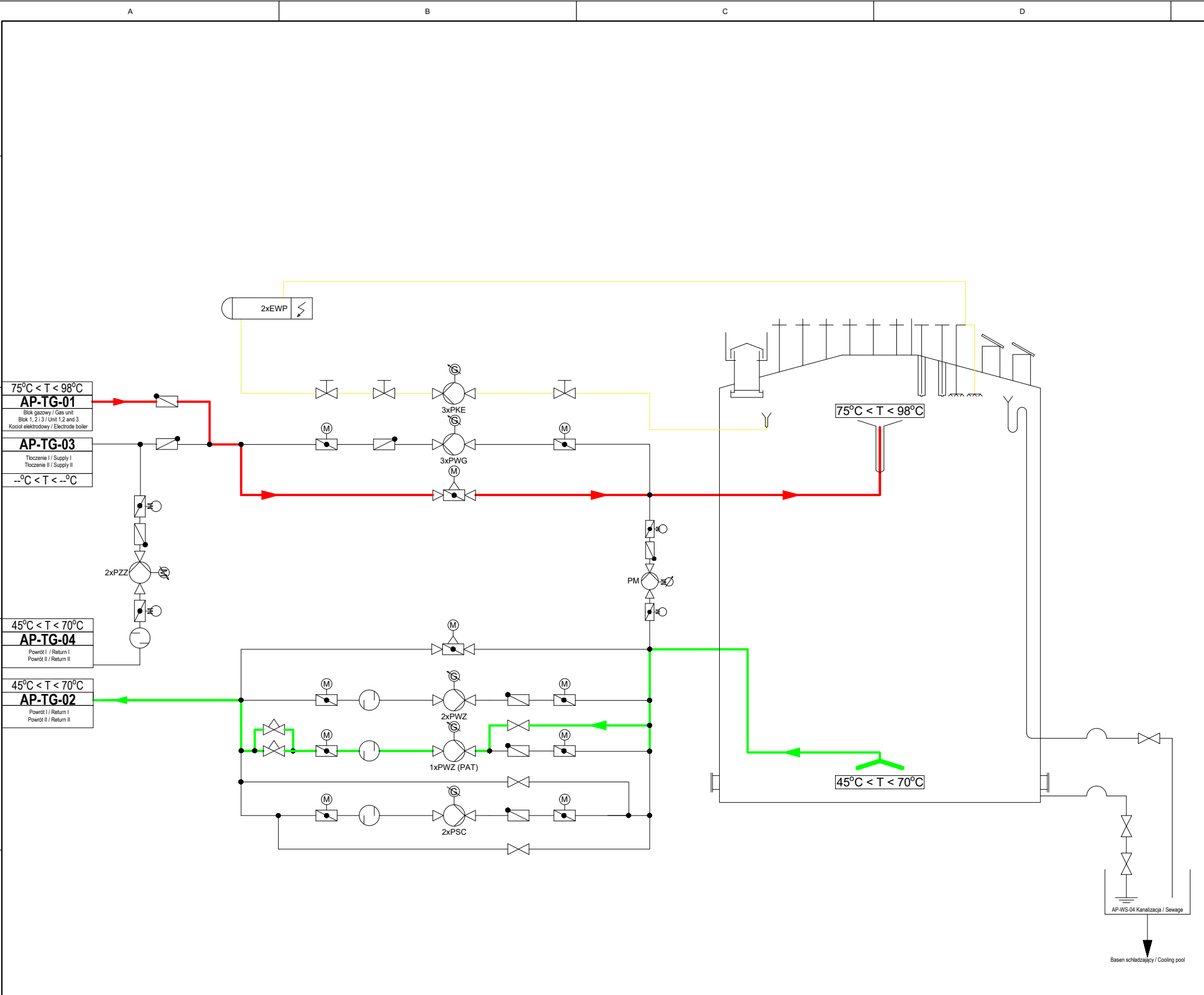
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Wariant / Variant	3	Ładowanie z wykorzystaniem pompy PAT - nominalne obciążenie AC / Loading with PAT pump - nominal load HA
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woda gorąca / hot water

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para wodna / steam

Reference Drawing

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Wariant / Variant

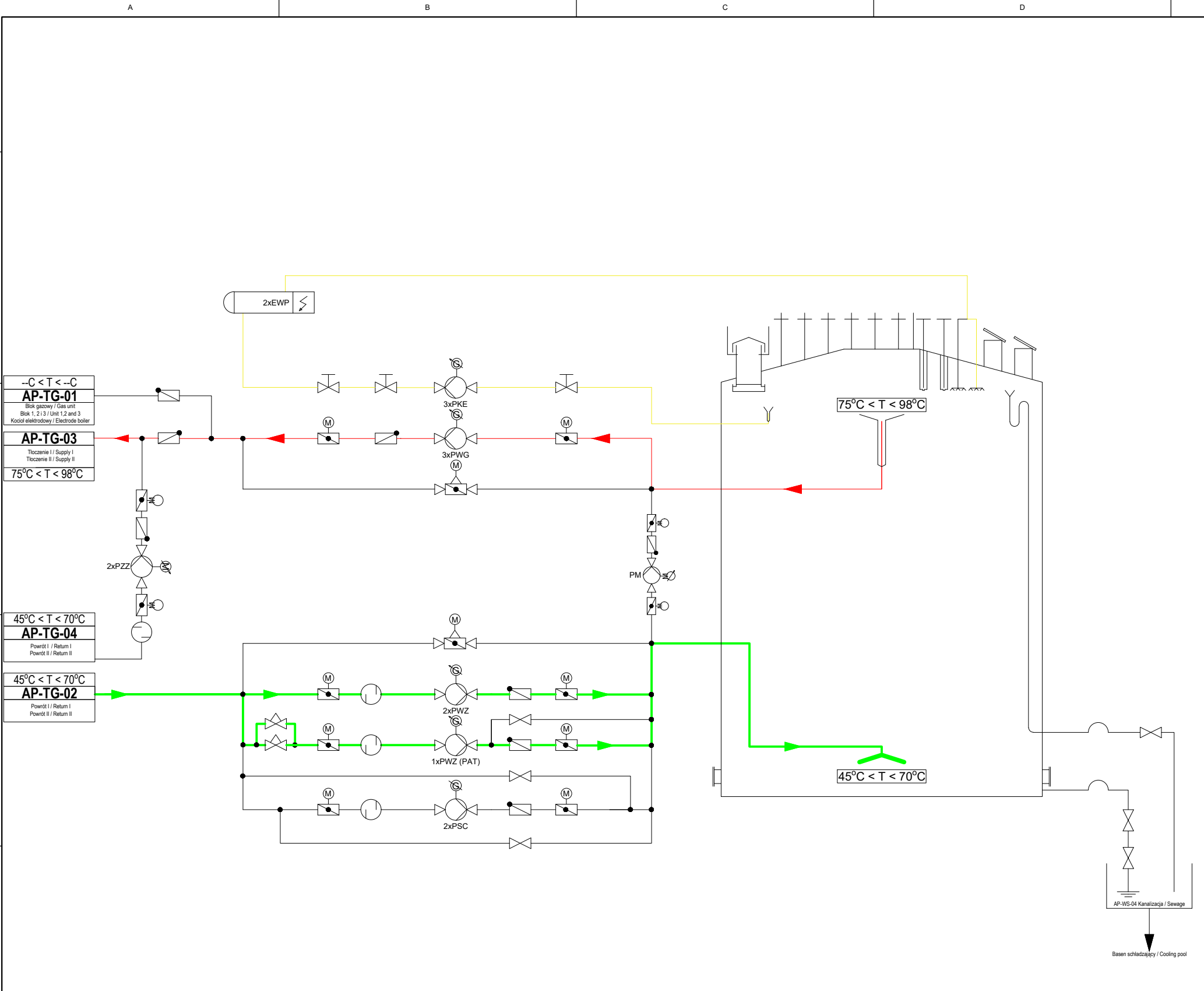
4

Ładowanie z wykorzystaniem pompy PAT / Loading with PAT pump

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woda gorąca / hot water

woda zmieszana / mixed water

woda zimna / cold water

para wodna / steam

Reference Drawing

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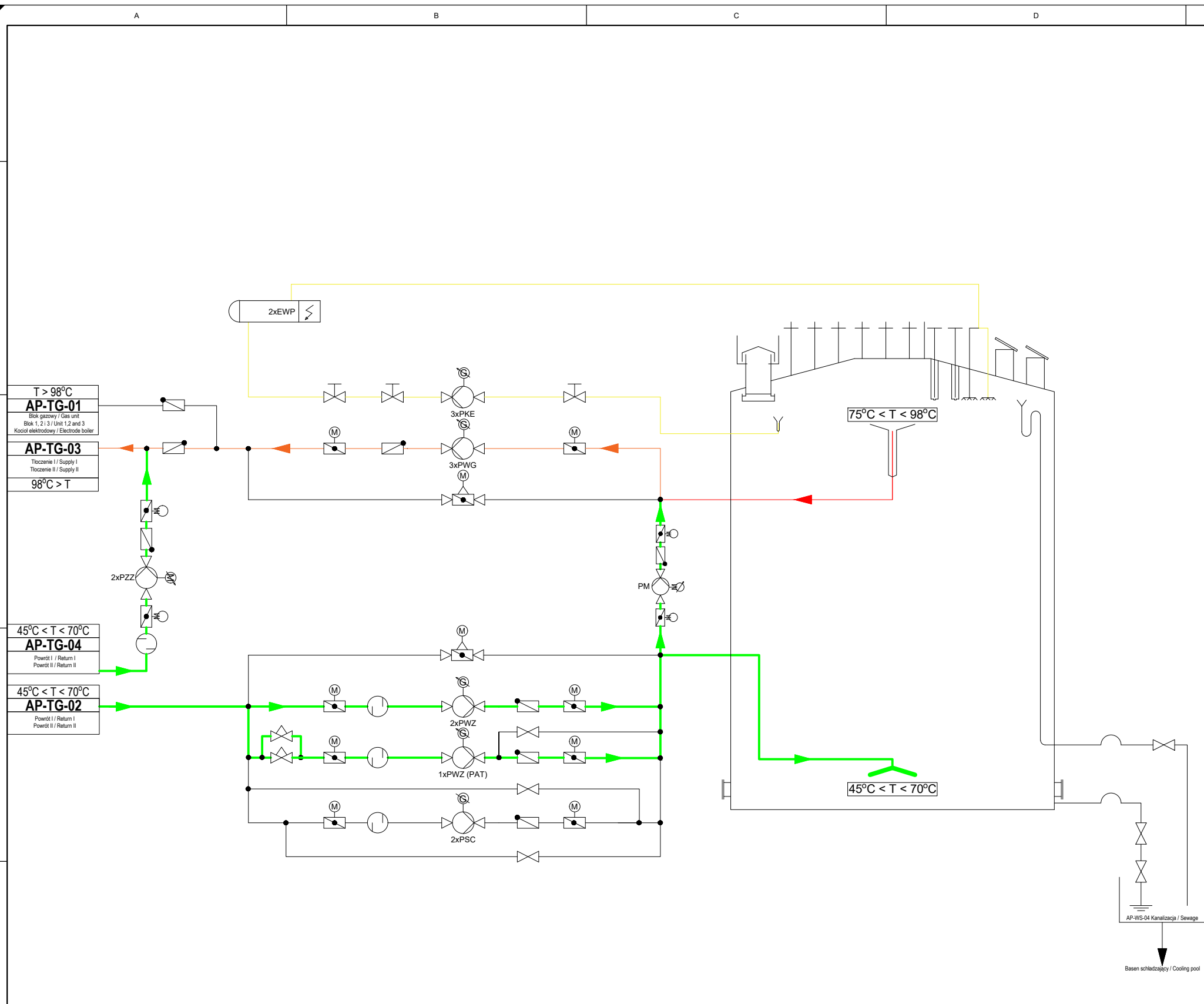
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Size	Warianty pracy akumulatora ciepła / Variants of operation of the heat accumulator		
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Wariant / Variant

6

Rozładowanie akumulatora ciepła / Unloading the heat accumulator







Wariant / Variant

8

Rozładowanie z pompami zimnego zmieszania i pompą mieszającą /
Unload with cold mix pumps and mixing pump

LEGENDA / LEGEND

-  woda gorąca / hot water
-  woda zmieszana / mixed water
-  woda zimna / cold water
-  para wodna / steam




Reference Drawing	
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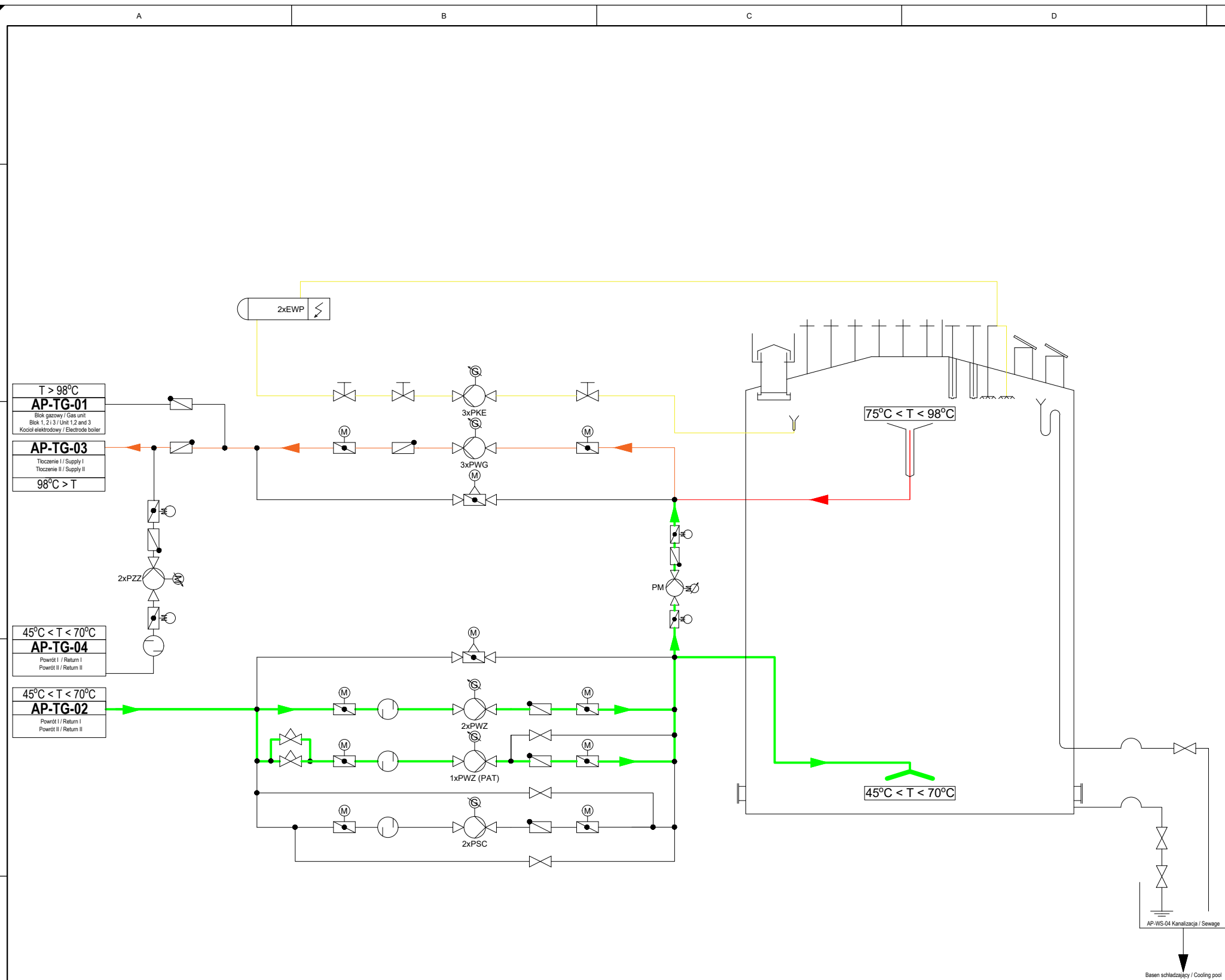
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Scale	Document Title
Size	Warianty pracy akumulatora ciepła / Variants of operation of the heat accumulator
A3	

WBS Code	Contractor's document number		
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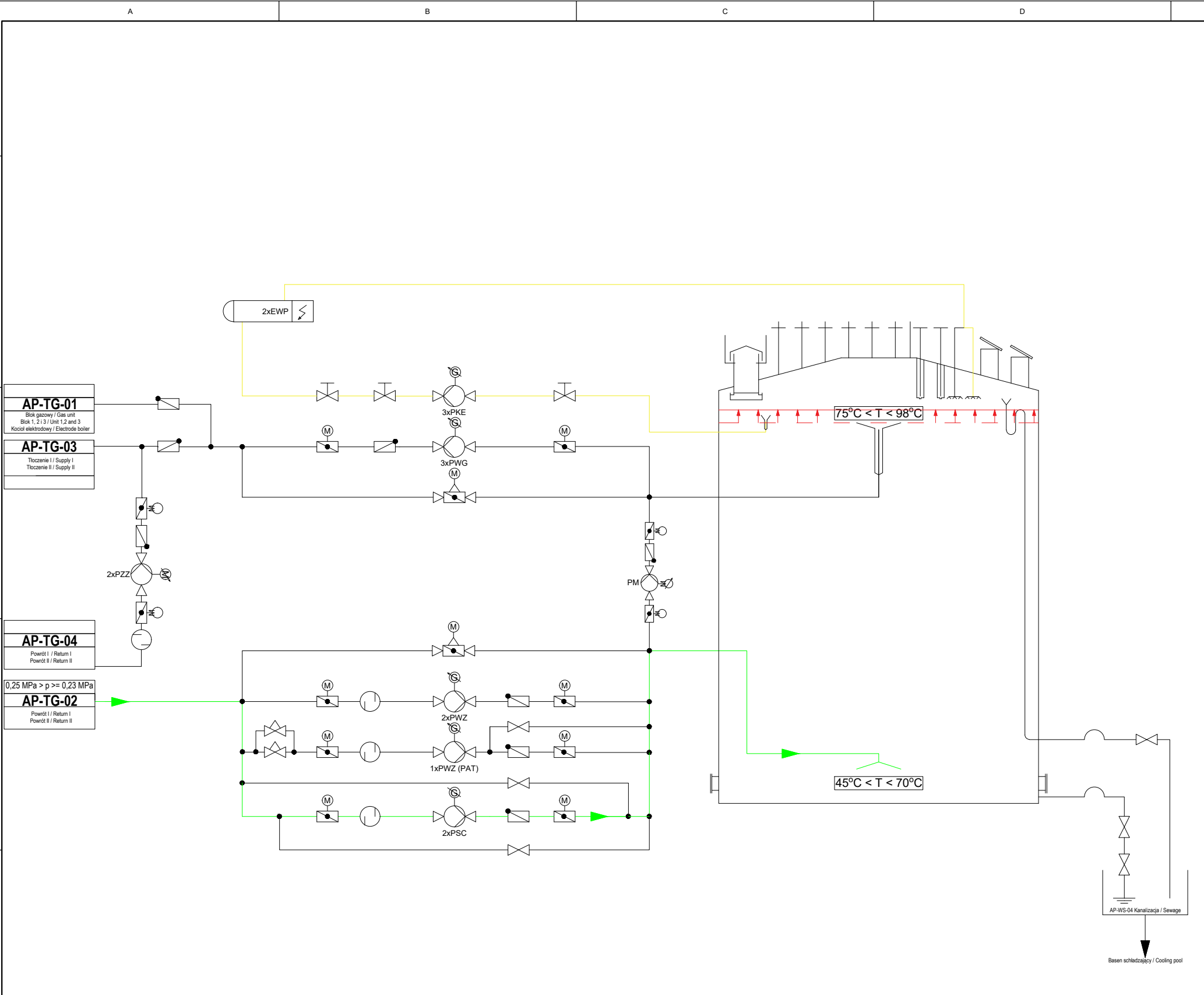
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Rozładowanie z pompą mieszającą / Unloading with a mixing pump

LEGENDA / LEGEND

- woda gorąca / hot water
 woda zmieszana / mixed water
 woda zimna / cold water
 para wodna / steam

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WHAL-VLD-07NDx00-TPM-PFD-0001			Schemat ideowy systemu wody sieciowej dla AC / DH water system conceptual diagram for HA			
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woda gorąca / hot water

woda zmieszana / mixed water

woda zimna / cold water

para wodna / steam

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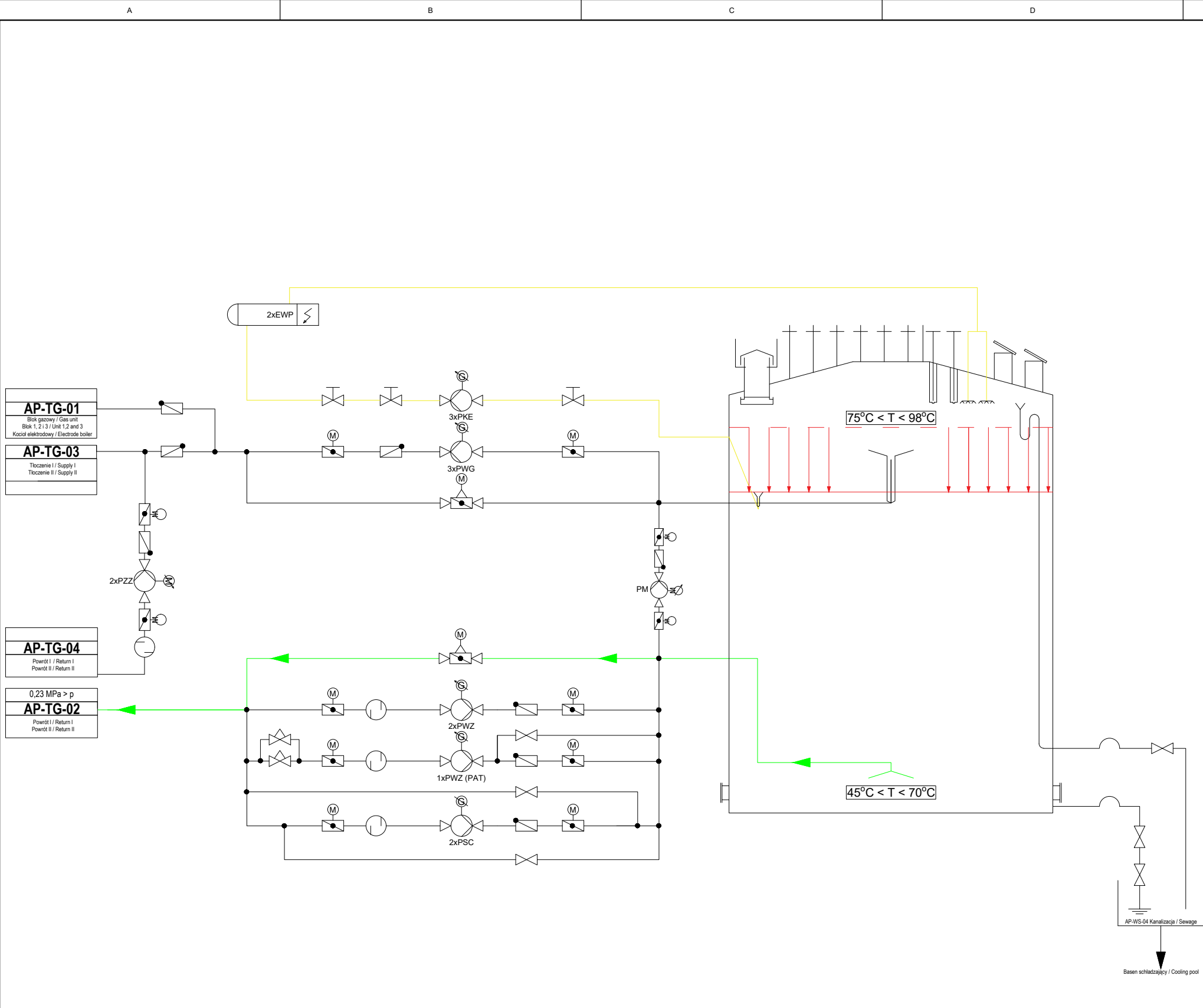
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Wariant / Variant

10

Obniżenie ciśnienia sieci ciepłowniczej (rurociągi powrotu z miasta)

Zwiększenie poziomu wody w zbiorniku i zmniejszenie ciśnienia na rurociągach powrotu wody sieciowej do EC4



LEGENDA / LEGEND

■ woda gorąca / hot water
■ woda zmieszana / mixed water
■ woda zimna / cold water
■ para wodna / steam

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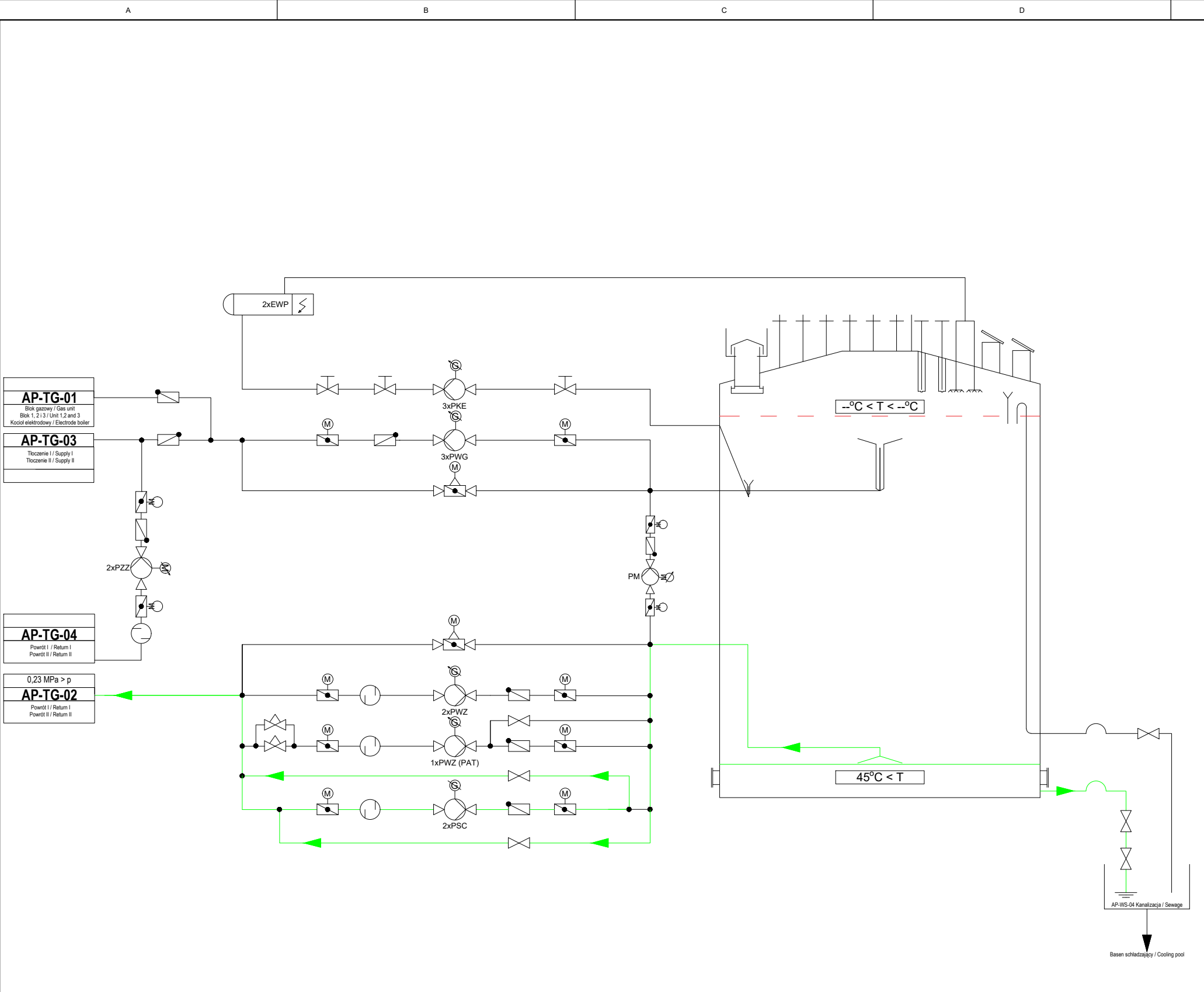
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Wariant / Variant	12	Tryb awaryjnego uzupełniania sieci ciepłowniczej
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Akumulator nie pracuje w trybie ładowania i rozładowania. Poprzez zmianę poziomu wody w akumulatorze następuje uzupełnianie sieci.

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Wariant / Variant **13** Całkowite opróżnienie zbiornika na potrzeby remontowe / Complete emptying of the water tank for repair purposes

LEGENDA / LEGEND

- woda gorąca / hot water
- woda zmieszana / mixed water
- woda zimna / cold water
- para wodna / steam

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