

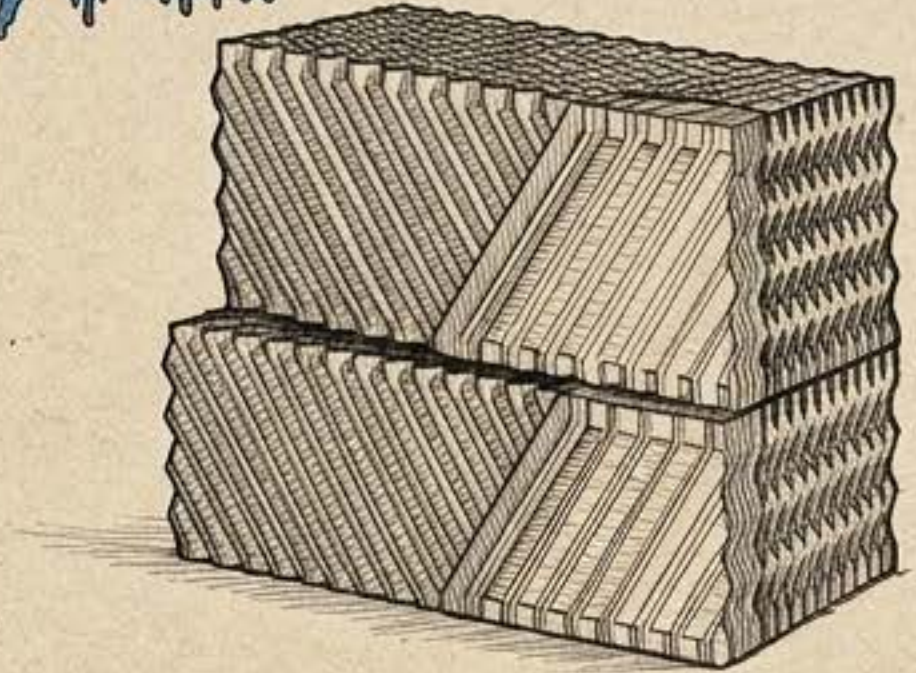
FILLING
KFP 312, 319, 327
MODEL



Wet Cooling Tower



KFP 312, 319, 327



Technical Data

Type	Material	Specific surface area	Corrugation height	Mas. length	Mer. weight	Height	Can in operation temp./ Max. operation temp.		Void ratio
		m ² /m ³	mm	mm	mm	mm	°C °C	°C PNC	%
 KFP 312/612 KFC 312/612	PP PVC	290	12	2.000	600	3-0 600	76 96 (chcmora)	55 50 adventure)	> 97
 KFP 319/619 KFC 319/619	PP PVC	150	19	2.400	600	300 600	76 90 (chcmora)	55 50 adventure)	> 97
 KFP 327/627 KFC 327/627	PP PVC	125	27	2.000	600	200 600	70 96 (chcmora)	55 60 adventure)	> 97

Typical Applications

	Cross-and counter-flow cooling towers GEA 2H PLASdek®	Waste Water GEA 2H BIOdek®	
		Trickling Fillor	Submerged biological treatment
KFP 312/612 KFC 312/612	Clean water	Nitrification	Biofifiration
KFP 319/619 KFC 319/619	Slightly polluted water	Secondary treatment	Secondary treatment
KFP 327/627 KFC 327/627	Pollured water	Roughing	Secondary treatment

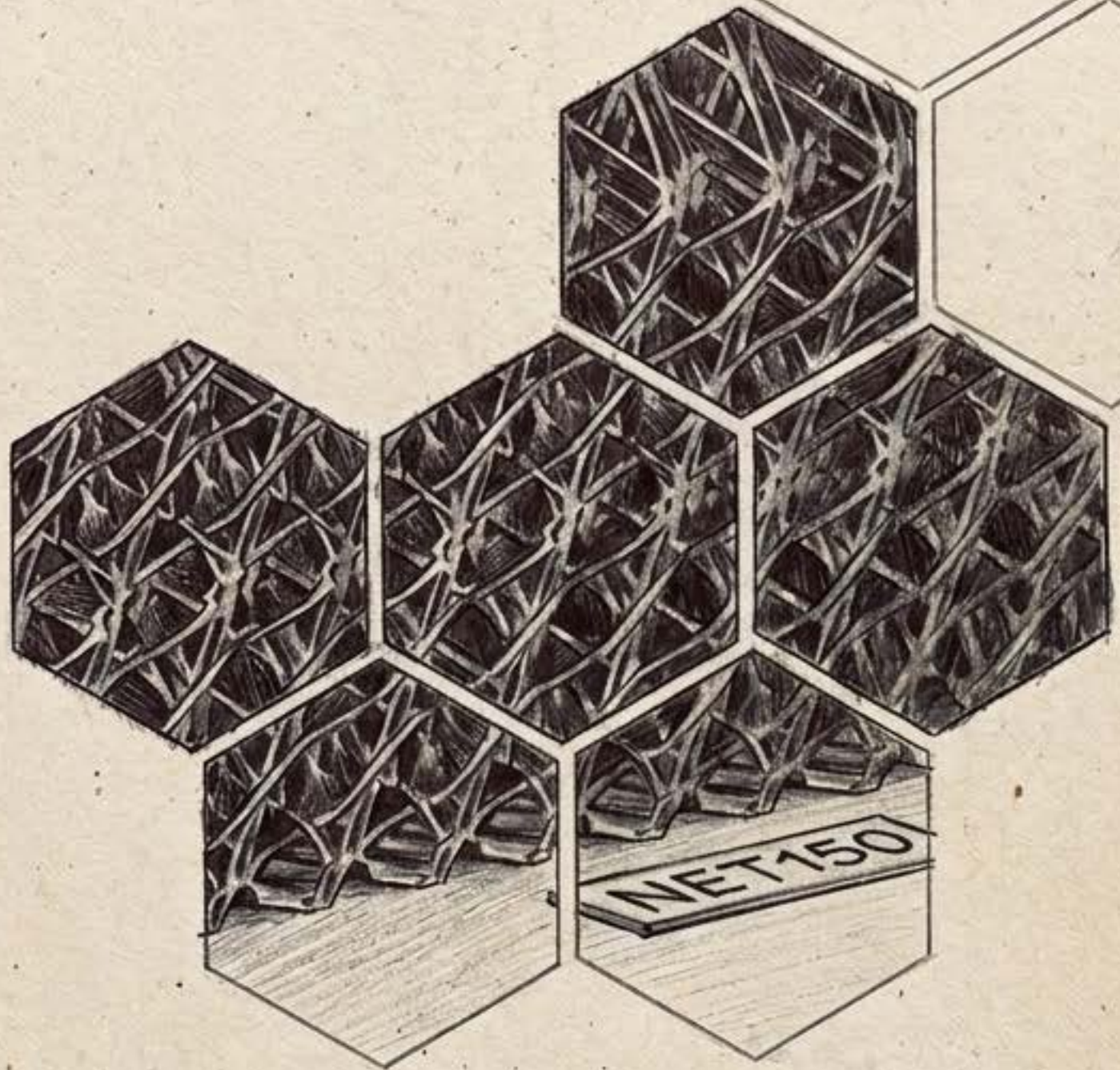
Wet Cooling Tower



MADE IN IRAN



TRICKLE FILLING
NET150
MODEL

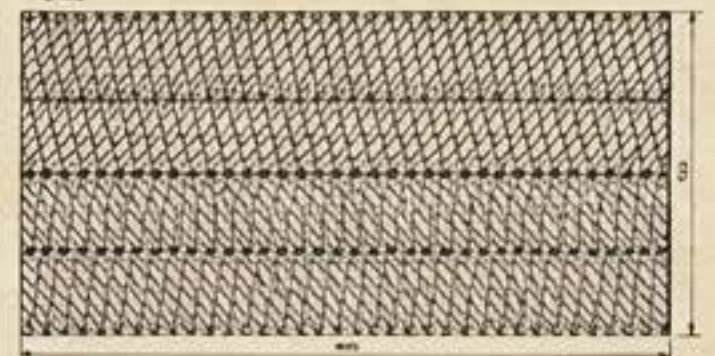
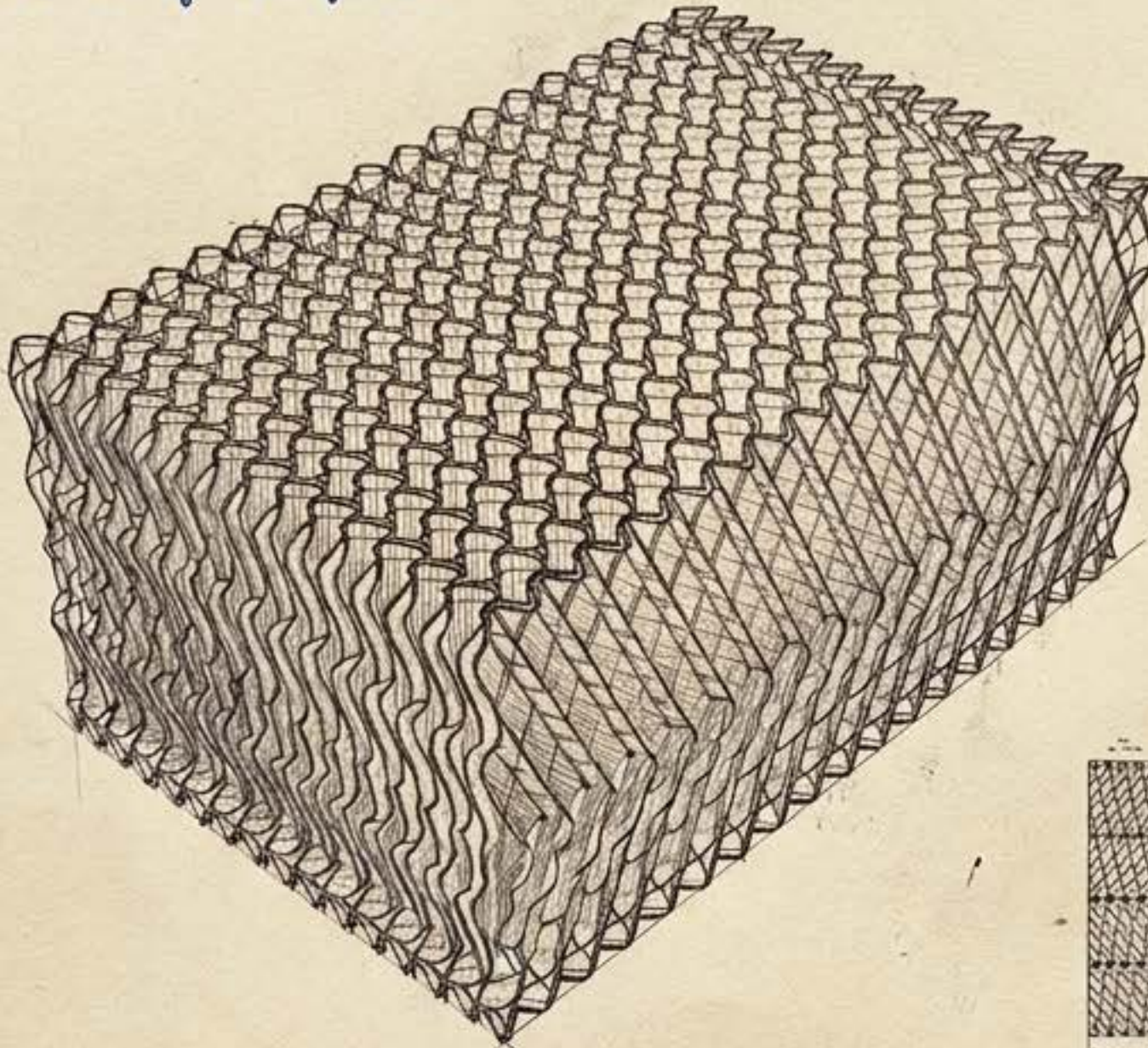


Wet Cooling Tower



MADE IN IRAN

NET150

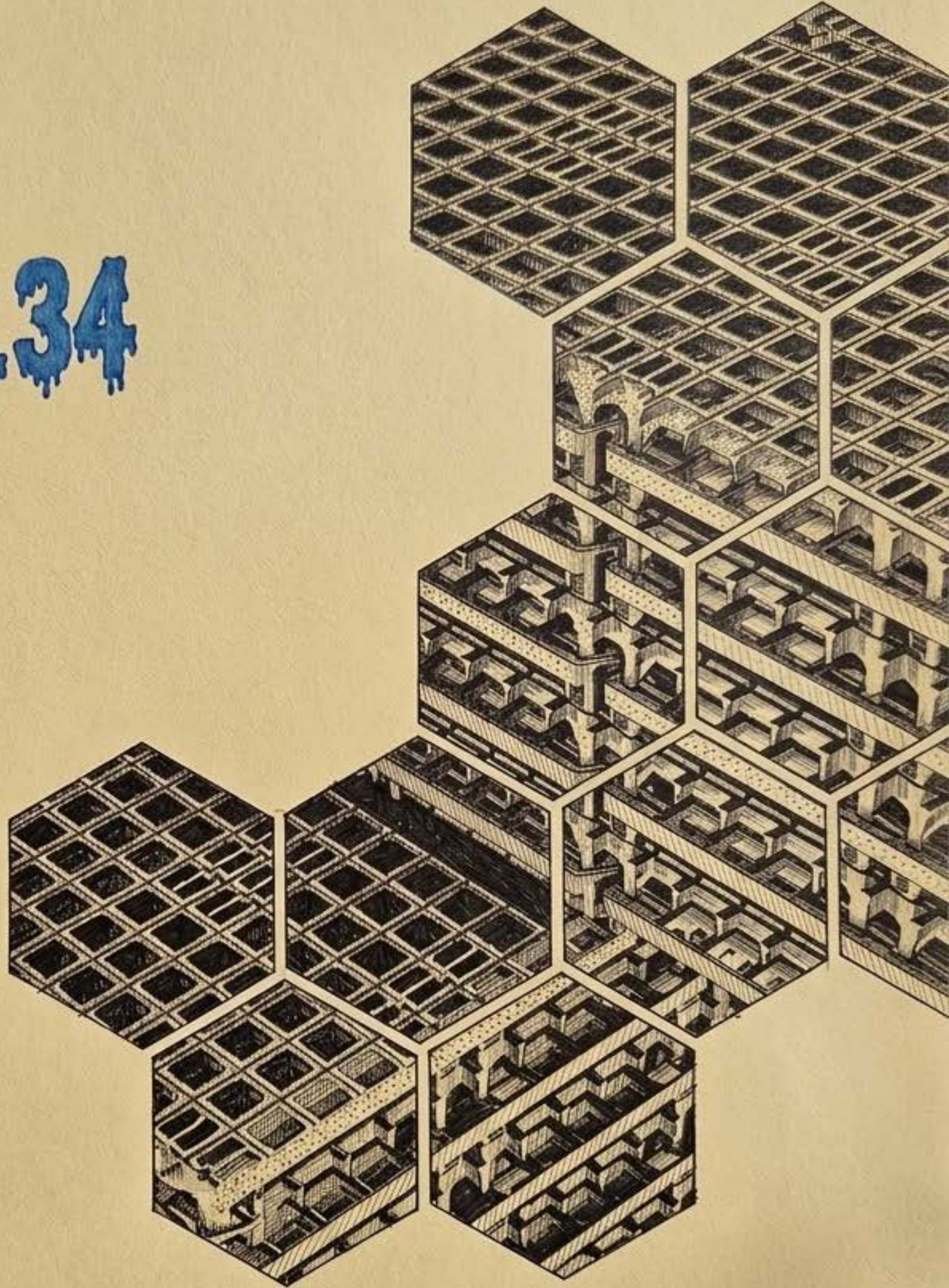


		Types						
Application		Type	Material	Geometric surface area	Effective surface area	Corrugation height	Spacing of supports	Width of supports
				m ² /m ²	m ² /m ³	mm	mm	mm
Polluted water (counter and cross-flow)		NET 150	PP	80	up to 130	20	800	50

Wet Cooling Tower



SPLASH
FC70.34
MODEL



Wet Cooling Tower



FC70.34

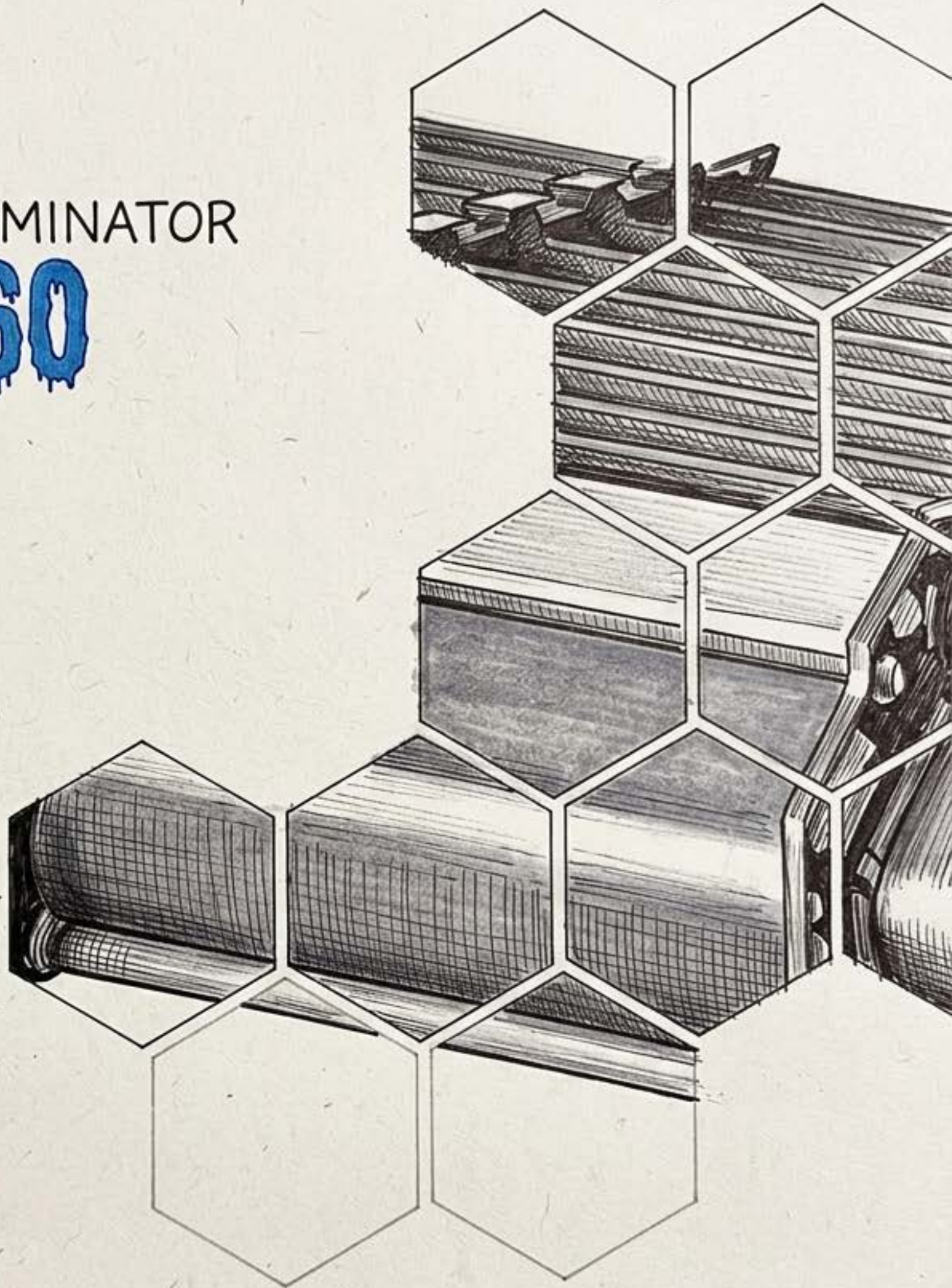


Application	Type	Material	Geometric surface area	Effective surface area	Corrugation height	Spacing of supports	Width of supports
			m ² /m ²	m ² /m ²	mm	mm	mm
Strongly polluted water (counter flow only) 	FC70.34	PP	50	up to 90	45	250	25

Wet Cooling Tower



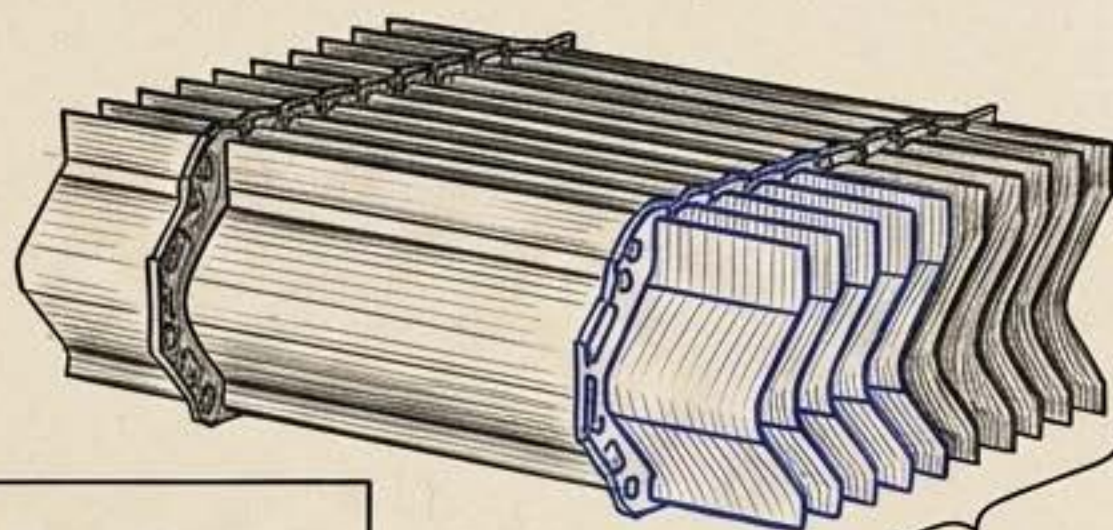
DRIFT ELIMINATOR
TAP160
MODEL



Wet Cooling Tower



TAP160

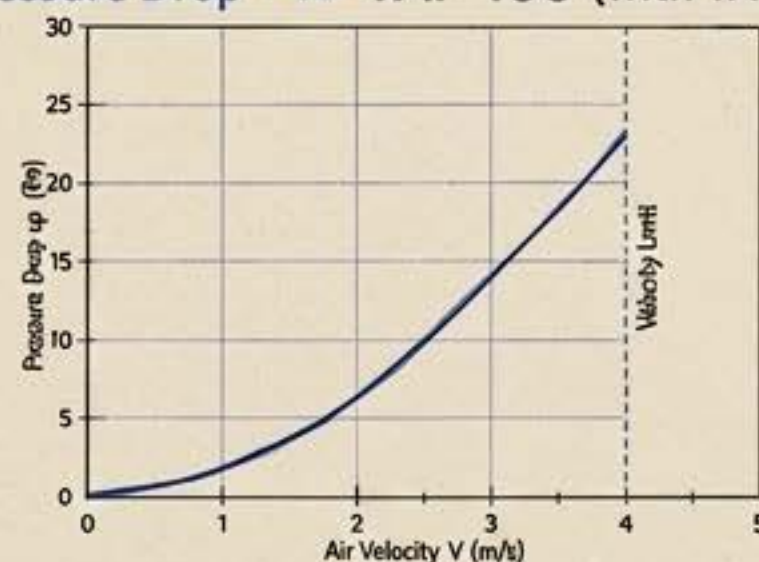


Internal Structure View

Technical Data			
	TEP 130 PP	TEC 130 PVC	TAP 160 PP**
Maximum length	2400 mm		6000 mm
Maximum width	700 mm	800 mm	330 mm
Height	125 mm		160 mm
Continuous operating temperature	-20 70 °C	0 55 °C	-20 70 °C
Max. operating temperature (short time)*	80 °C	60 °C	80 °C

Types								
Application	Type	Material	Drift loss*	Max. face velocity	Drag coefficient	Pitch	Max. distance between supports	Additional information
			%	m/s		mm	mm	
Large site erected cooling towers	Profile TAP 160 with Spacer TAS 033 	PP	0.01	4.0	2.6	55 / 58	1200	Thickness: 2 mm (+/- 0.2 mm) Spacer: TAS 033 with 45 mm/10 profiles per spaced

Pressure Drop **2H** TAP 160 (with TAS 033)



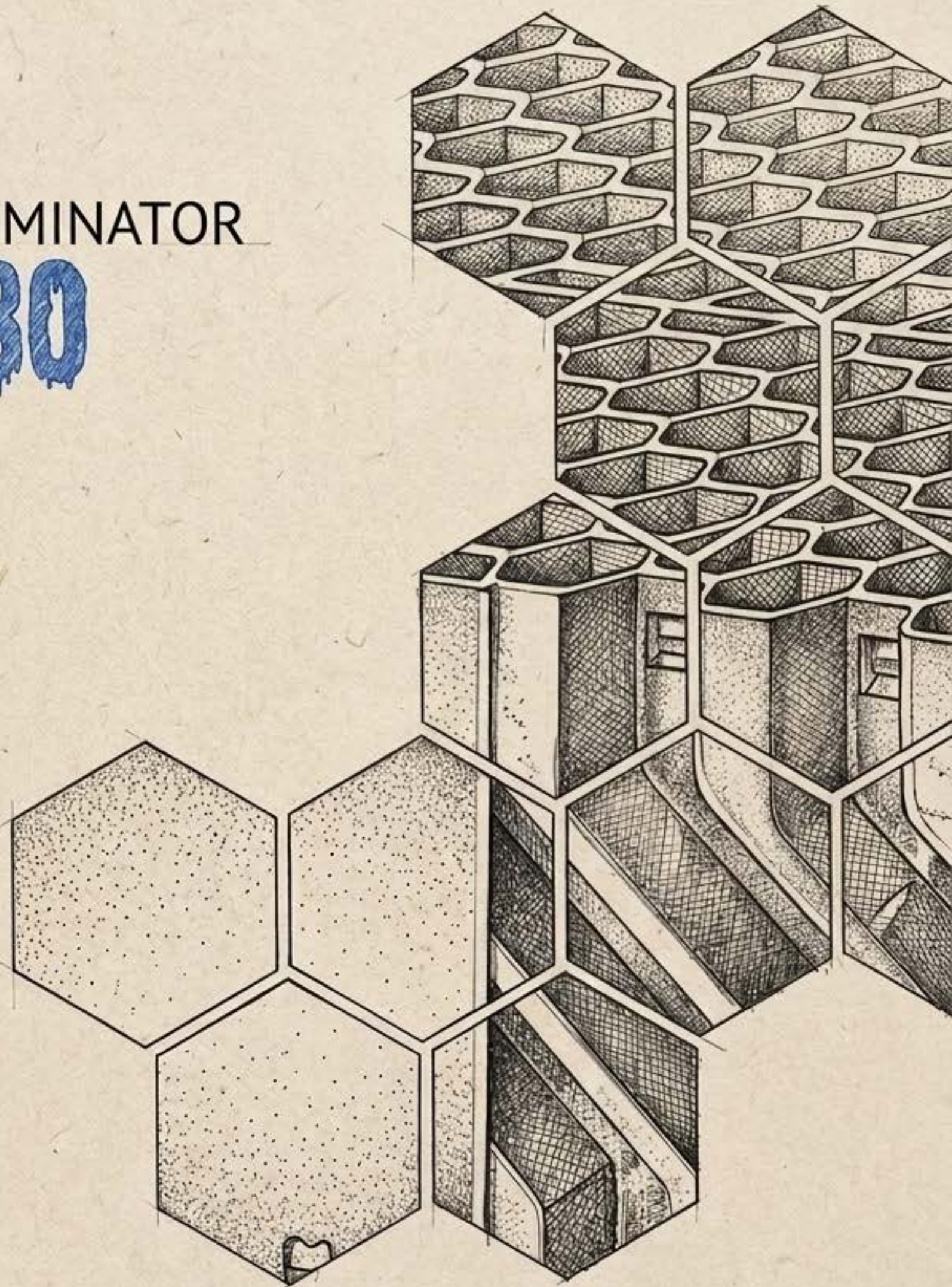
Wet Cooling Tower





COOLEXIO
EQUIPMENT

DRIFT ELIMINATOR **TEP130** MODEL

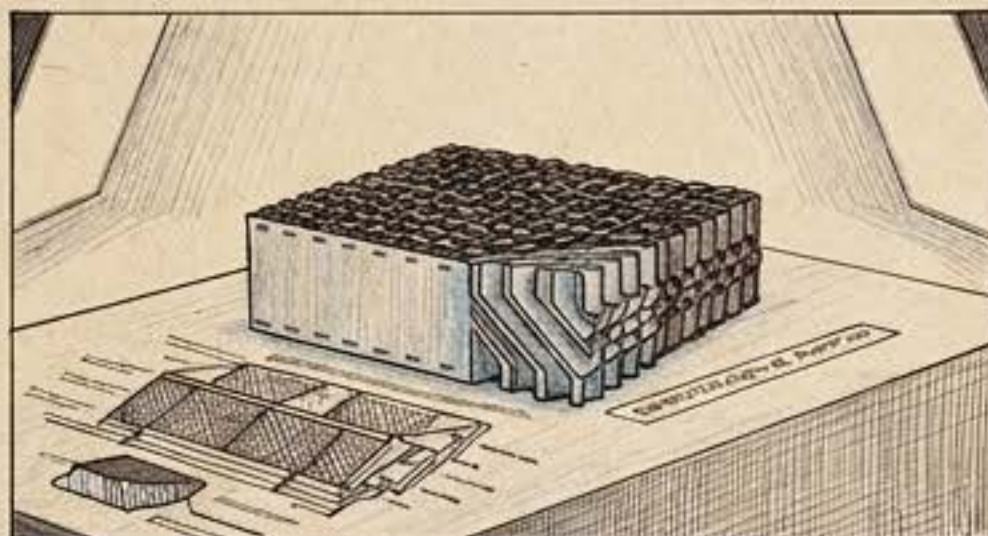


Wet Cooling Tower



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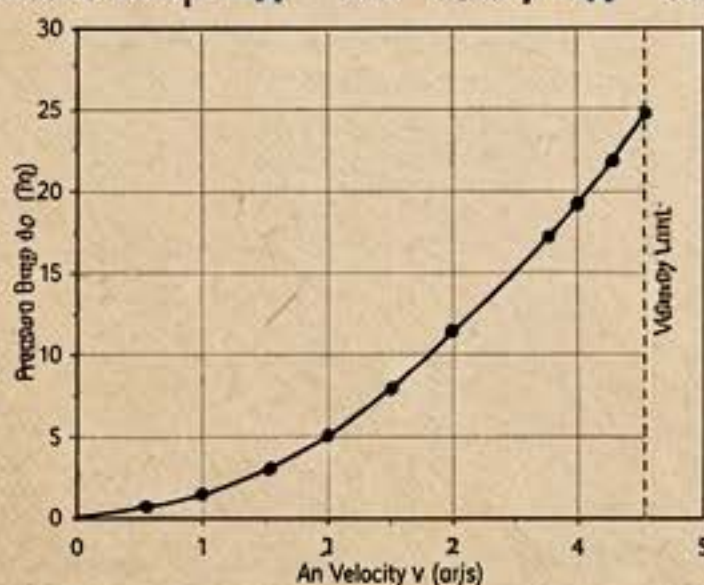
TEP130



Technical Data			
	TEP 130 PP	TEC 130 PVC	TAP 160 PP**
Maximum length	2400 mm		6000 mm
Maximum width	700 mm	200 mm	330 mm
Height	125 mm		160 mm
Continuous operating temperature	-20 -- 70 °C	0 -- 55 °C	-20 -- 70 °C
Max. operating temperature (short time)*	80 °C	60 °C	80 °C

Types								
Application	Type	Material	Drift loss*	Max. face velocity	Drag coefficient	Pitch	Max. distance between supports	Additional information
			%	m/s		mm	mm	
Small or medium sized cooling towers	Module type TLP 140 	PP	0.005	4.5	2.2	18	1000	Special Design: TEP 130 with additional stiffeners
Small or medium sized cooling towers	Module type TEC 130 	PVC	0.005	4.5	2.2	18	1000	Special Design: TEP 130 with additional stiffeners

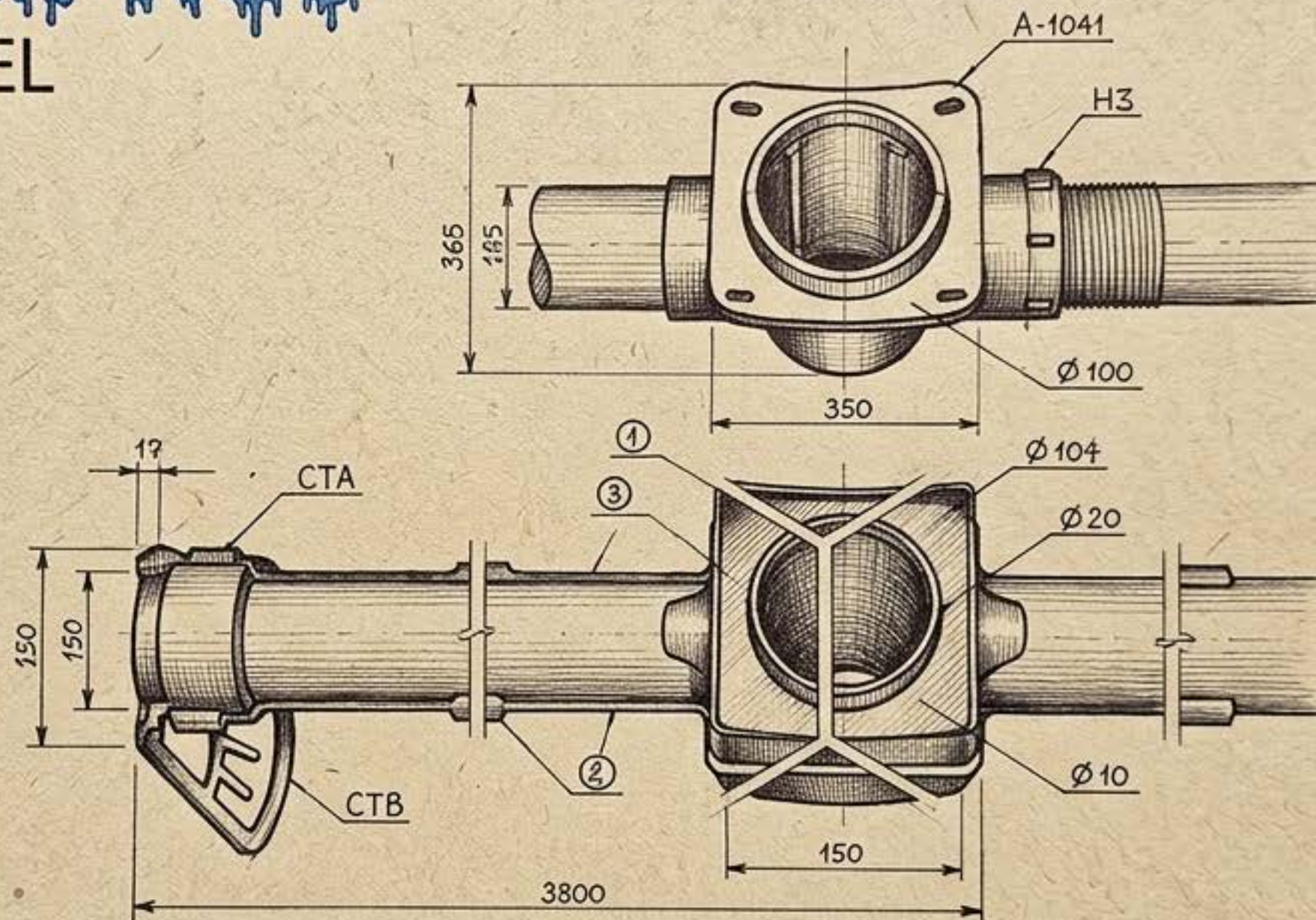
Pressure Drop 2_H - TEP 130 / 2_H - TEC 130



Wet Cooling Tower

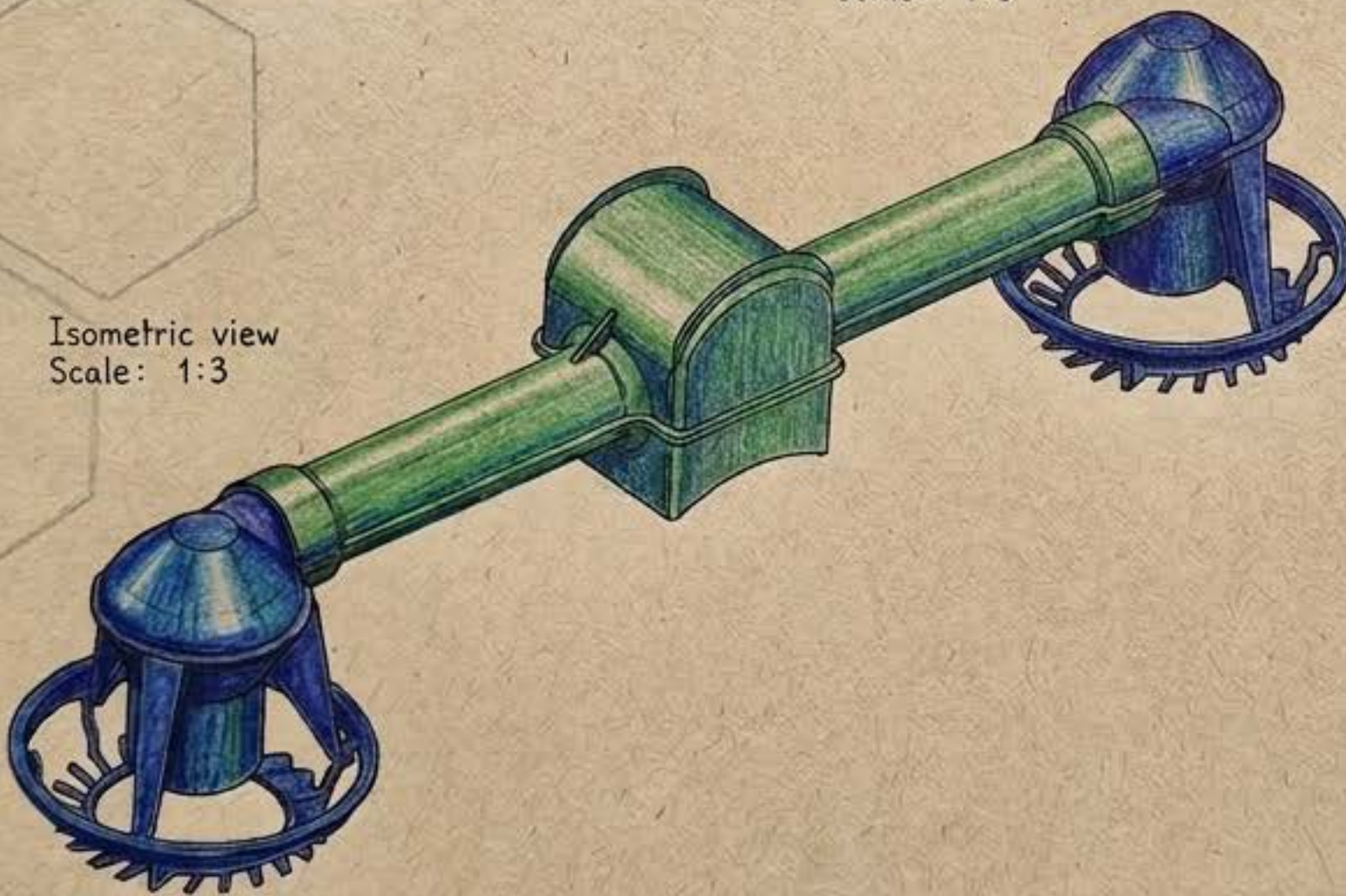
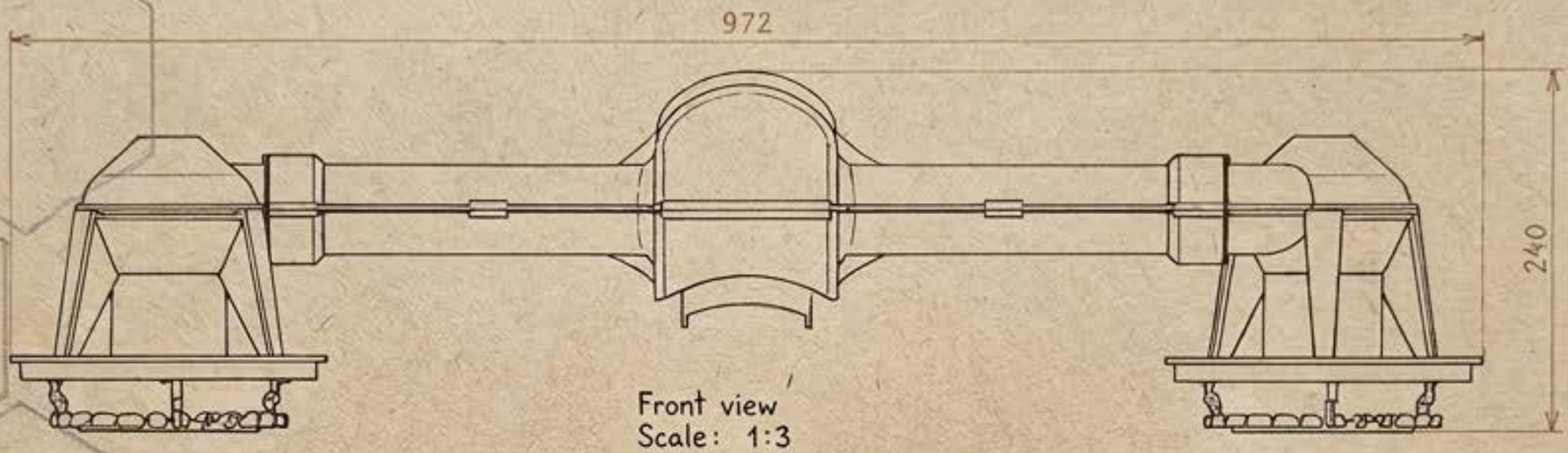


NOZZLE ARM NS5 MODEL



Wet Cooling Tower

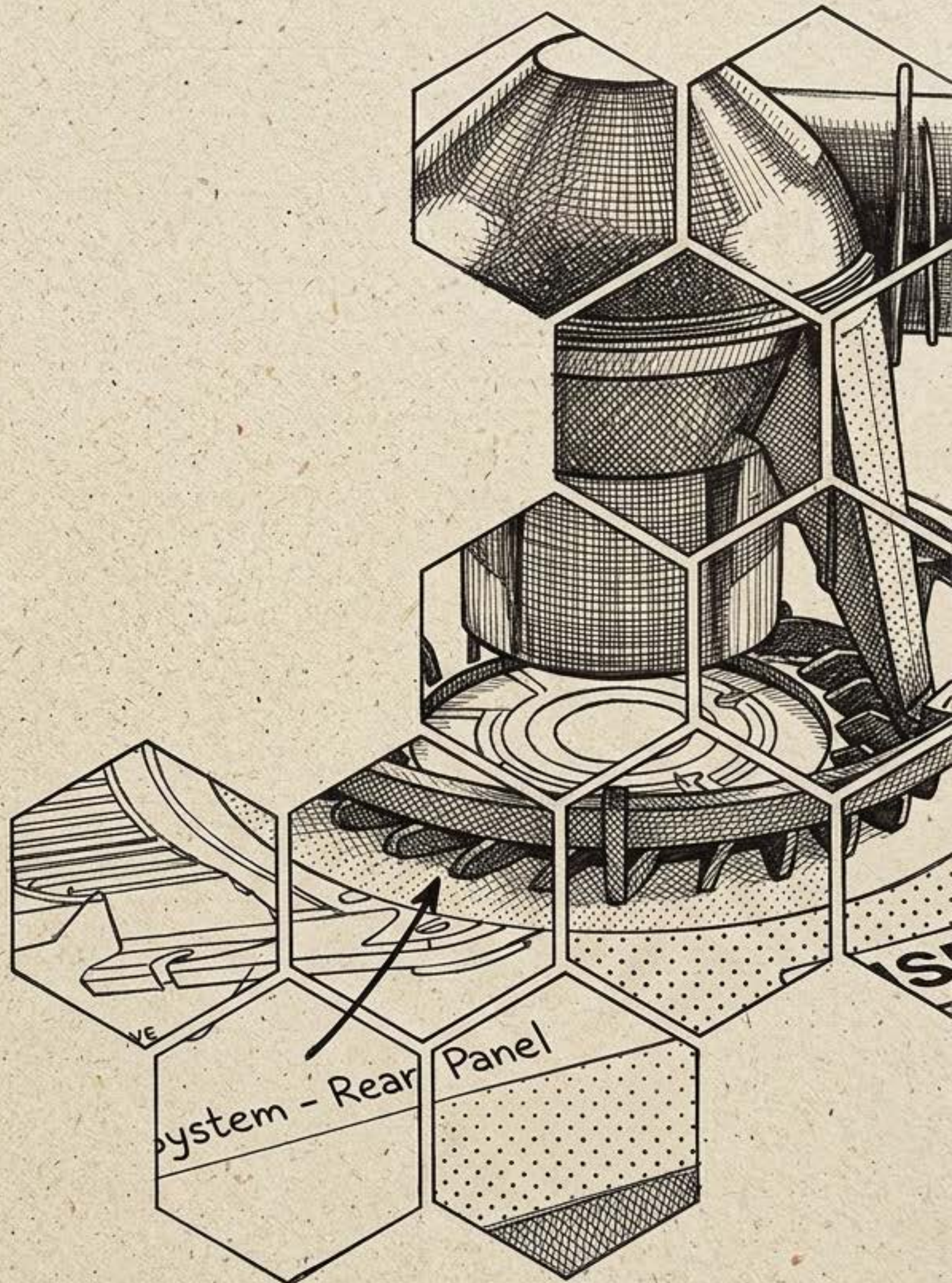
ARM NS5



Wet Cooling Tower



NOZZLE
NS5
MODEL



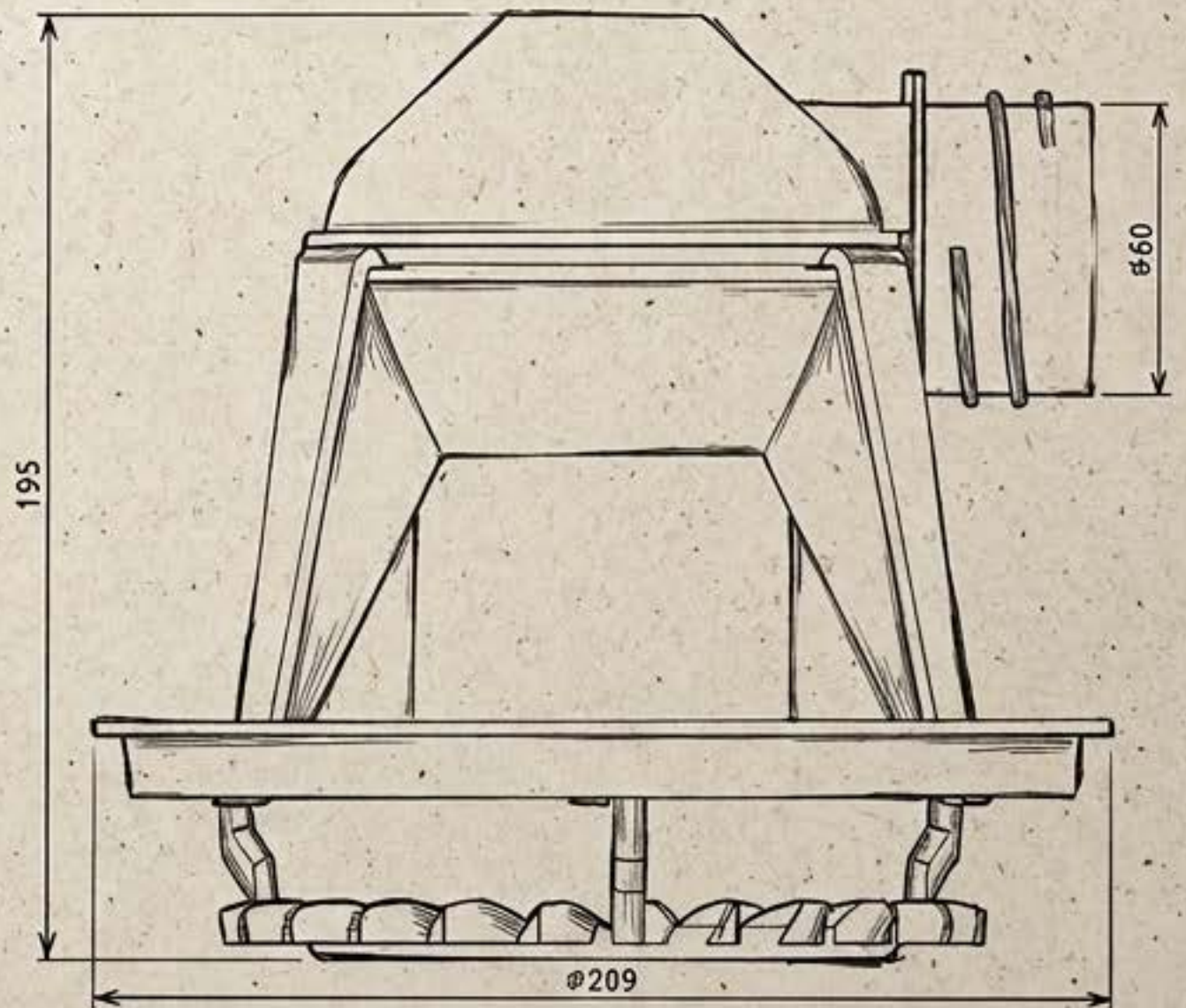
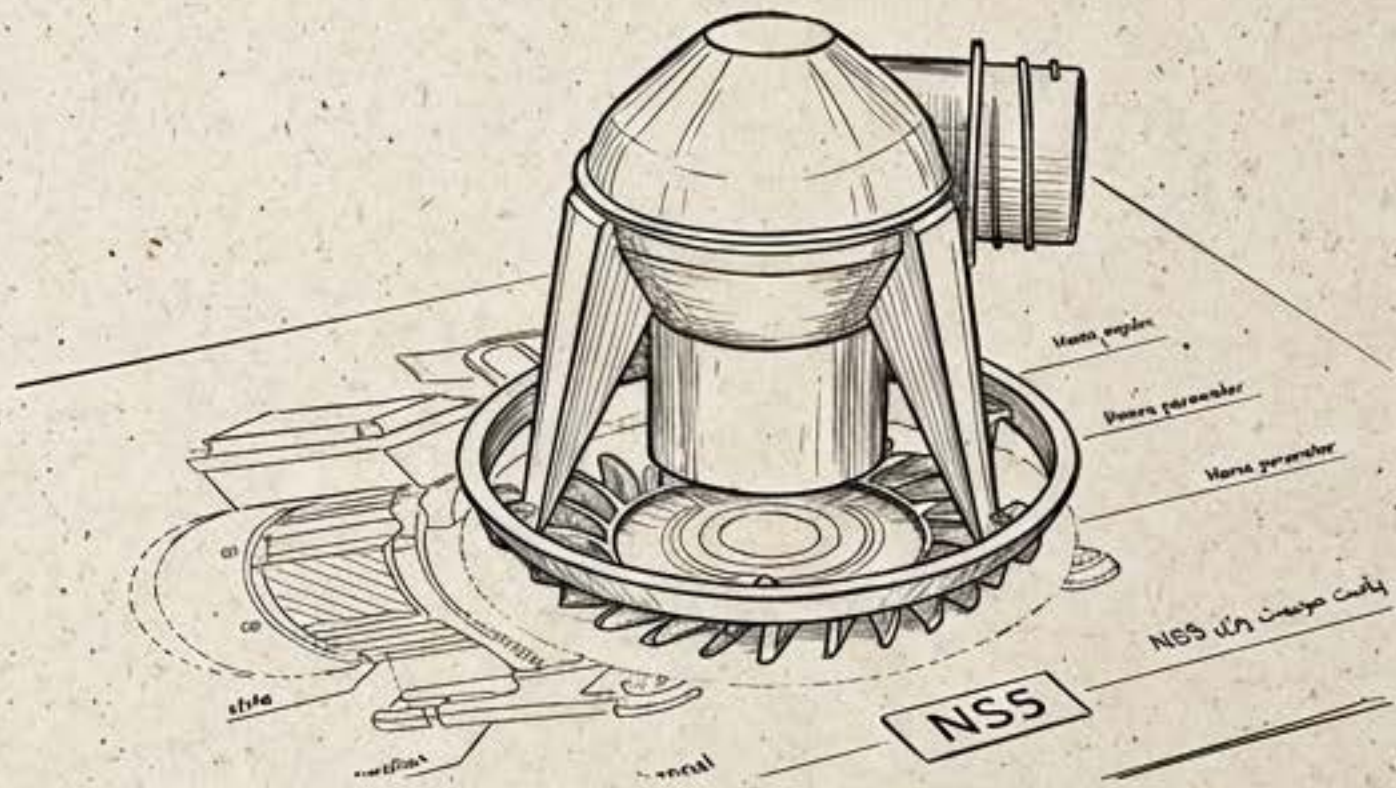
Wet Cooling Tower



MADE IN IRAN



NS5 NOZZLE

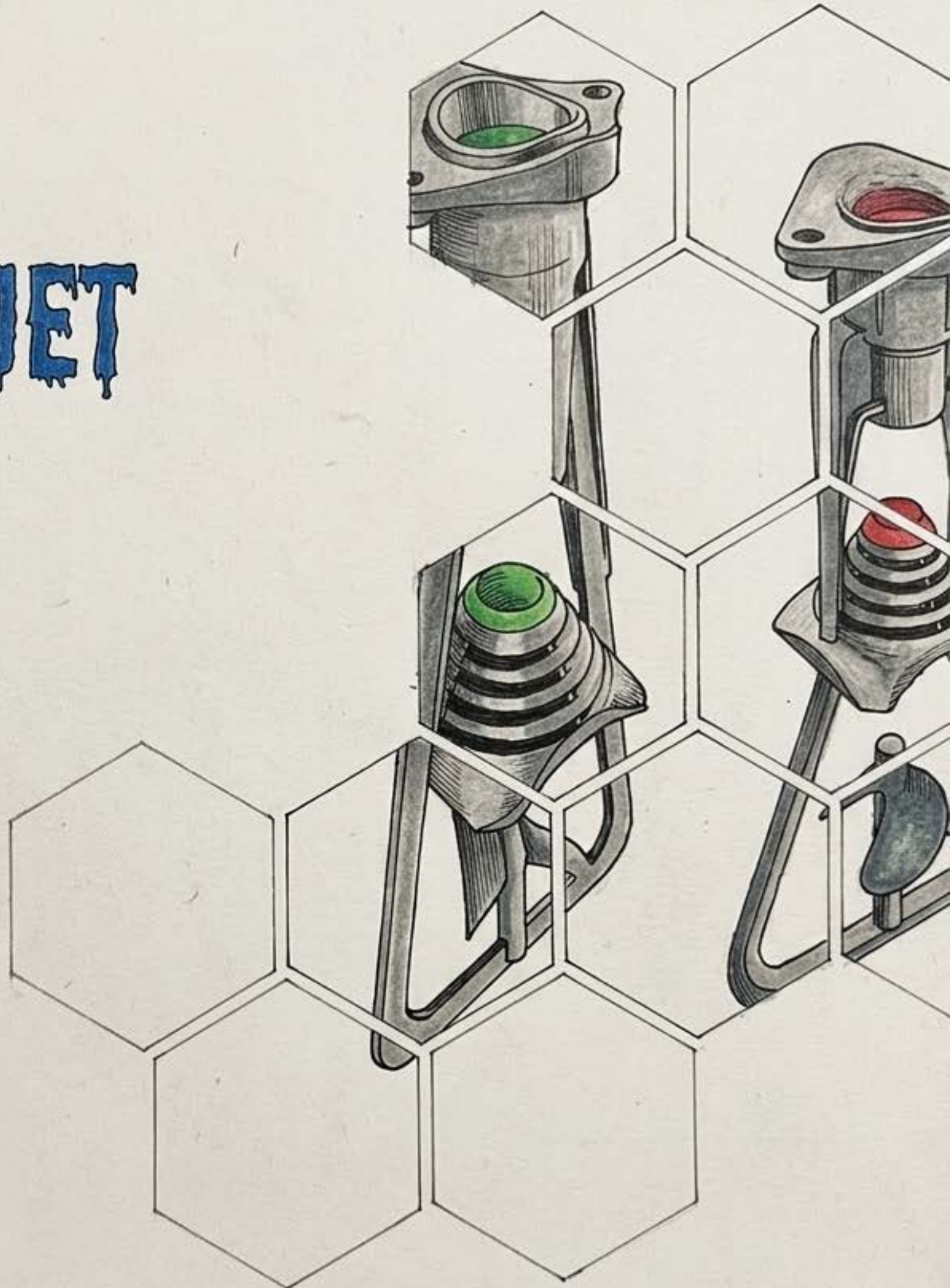


Wet Cooling Tower

Front view
Scale: 1:1



NOZZLE
ECO-JET
MODEL

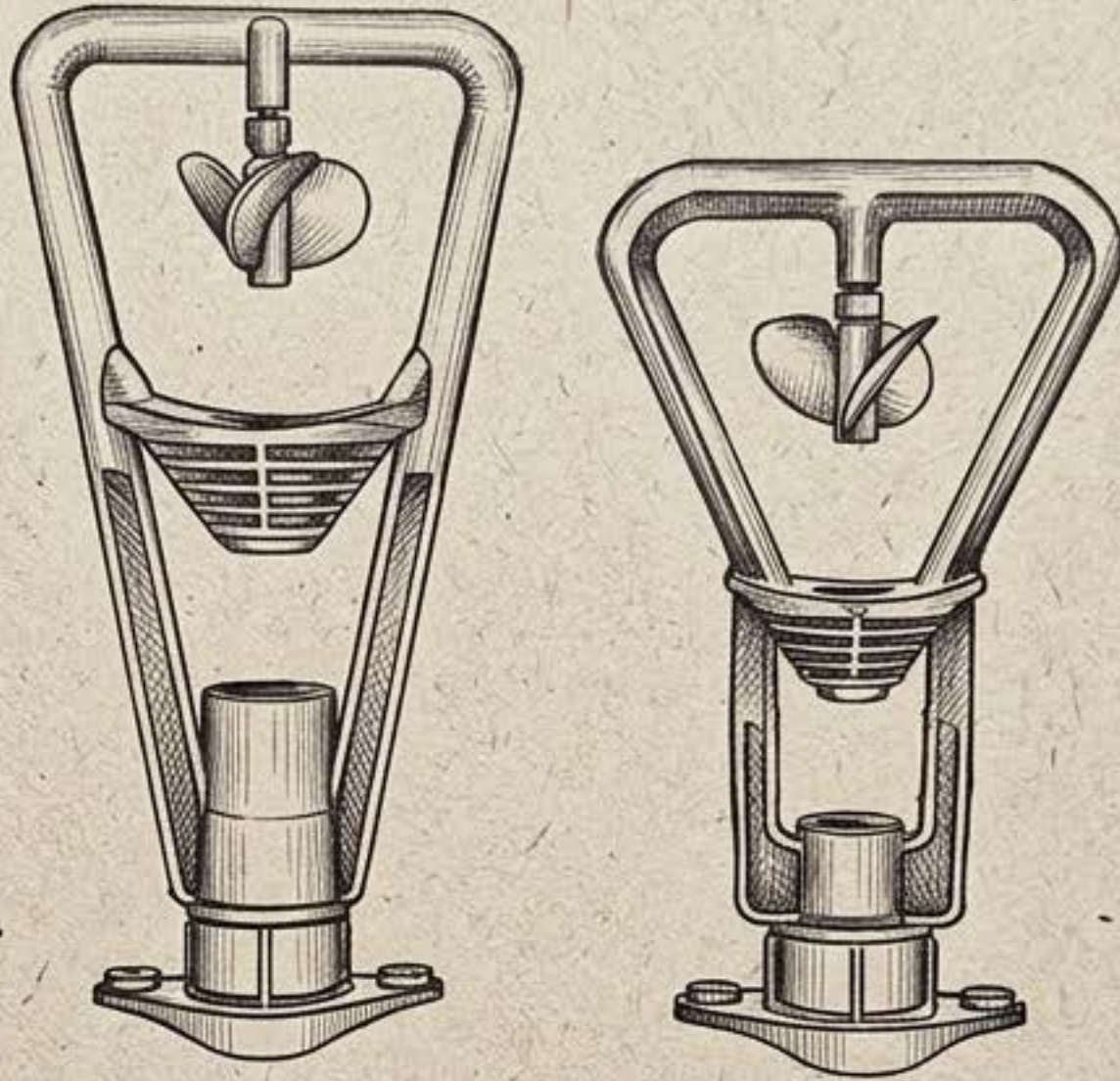


Wet Cooling Tower



ECO-JET

NOZZLE

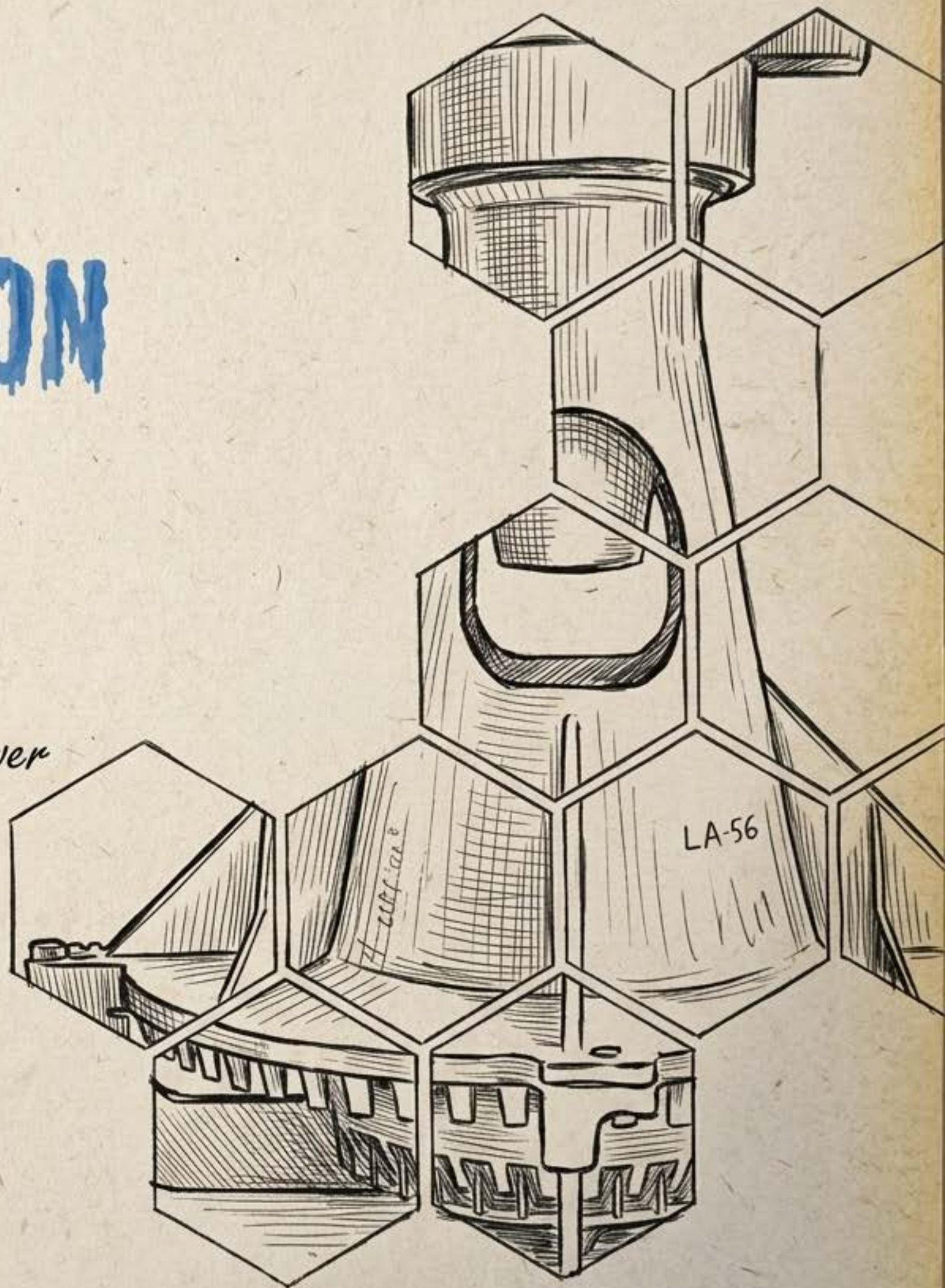


Technical Data	ECOJET S	ECOJET L
Material	PP	PP
Diameter range (mm)	20-30	32-40
Weight (g)	220	300
Height (mm)	285	325

Wet Cooling Tower

NOZZLE
HAMON
MODEL

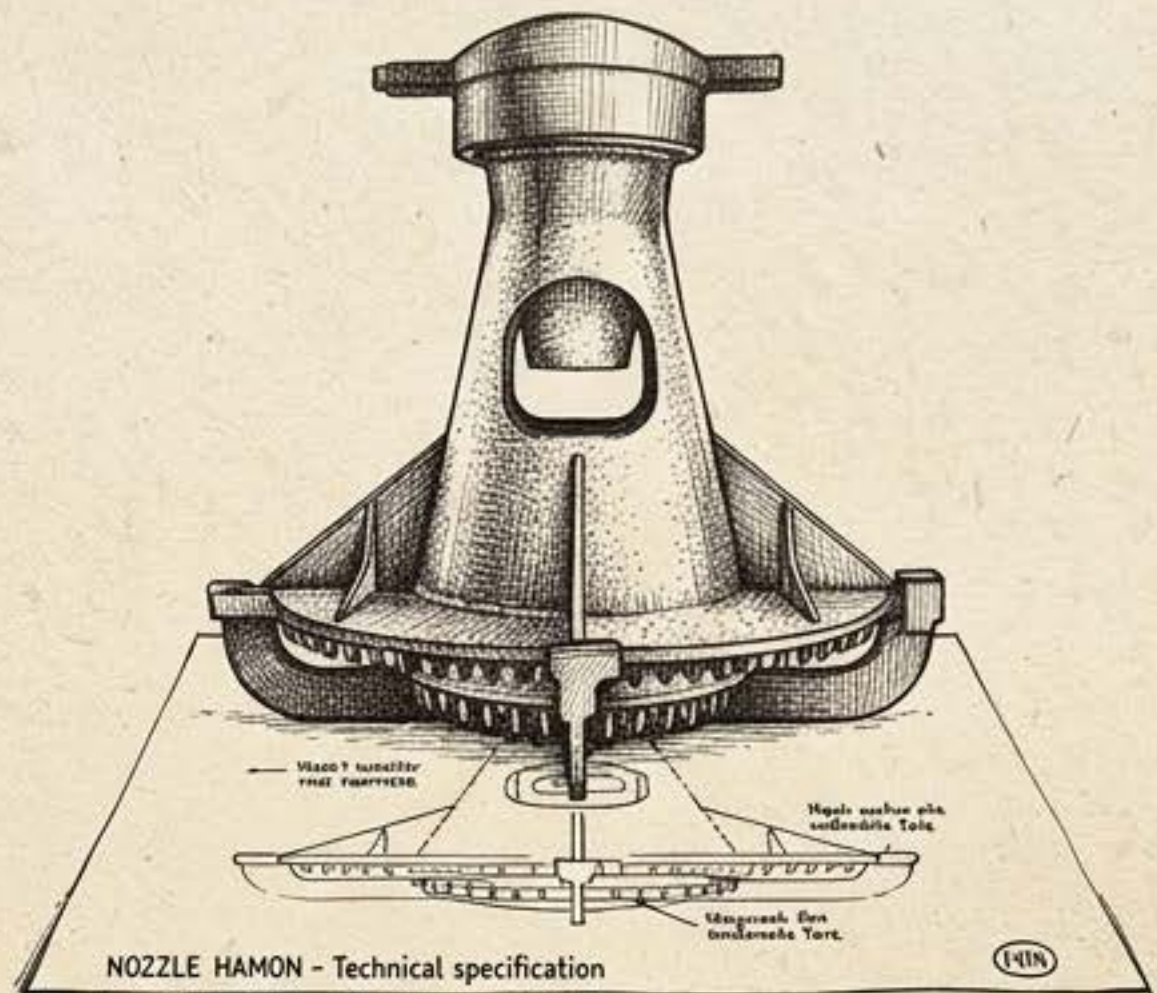
Wet Cooling Tower



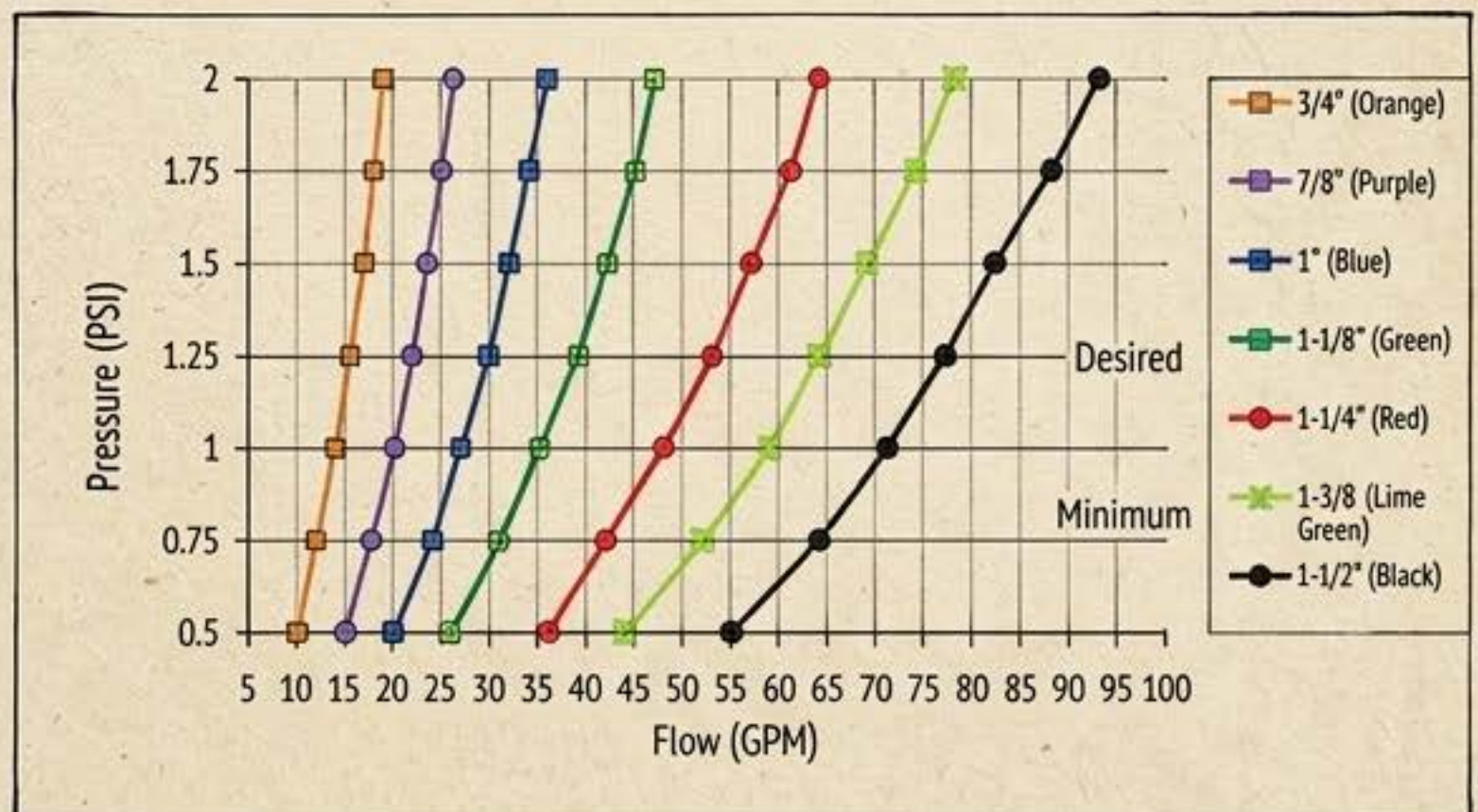
Wet Cooling Tower



HAMON



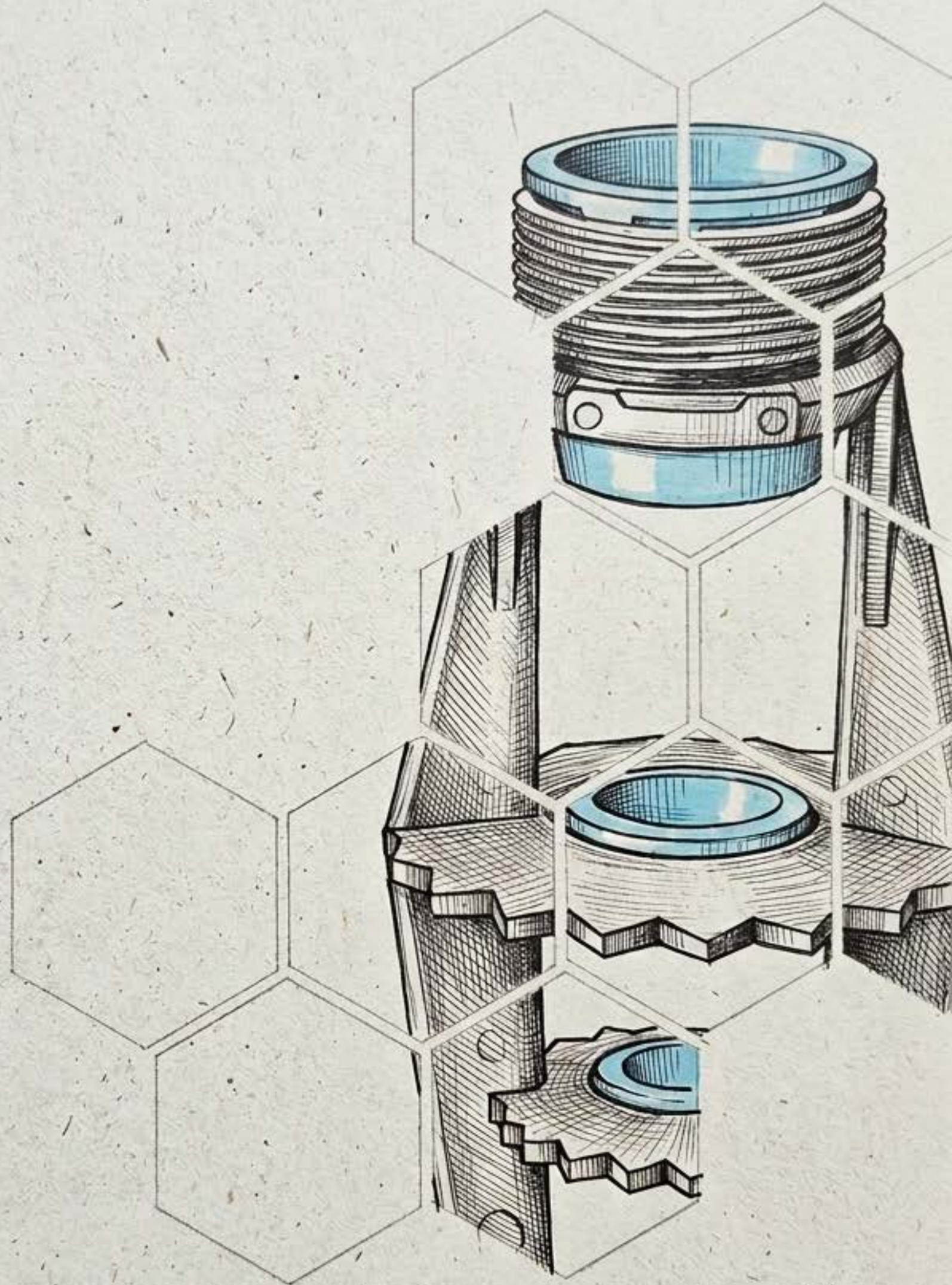
Performance Curve



Wet Cooling Tower



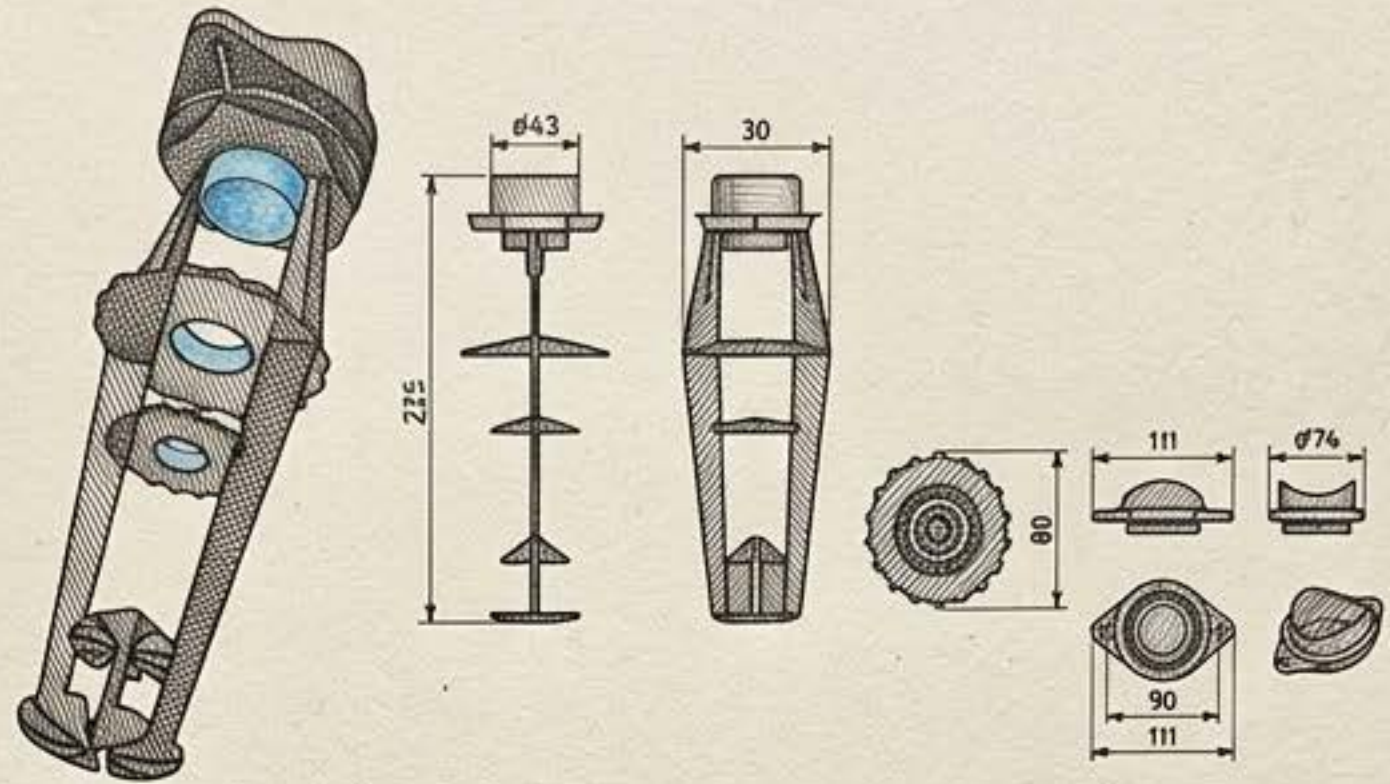
NOZZLE
PS
MODEL



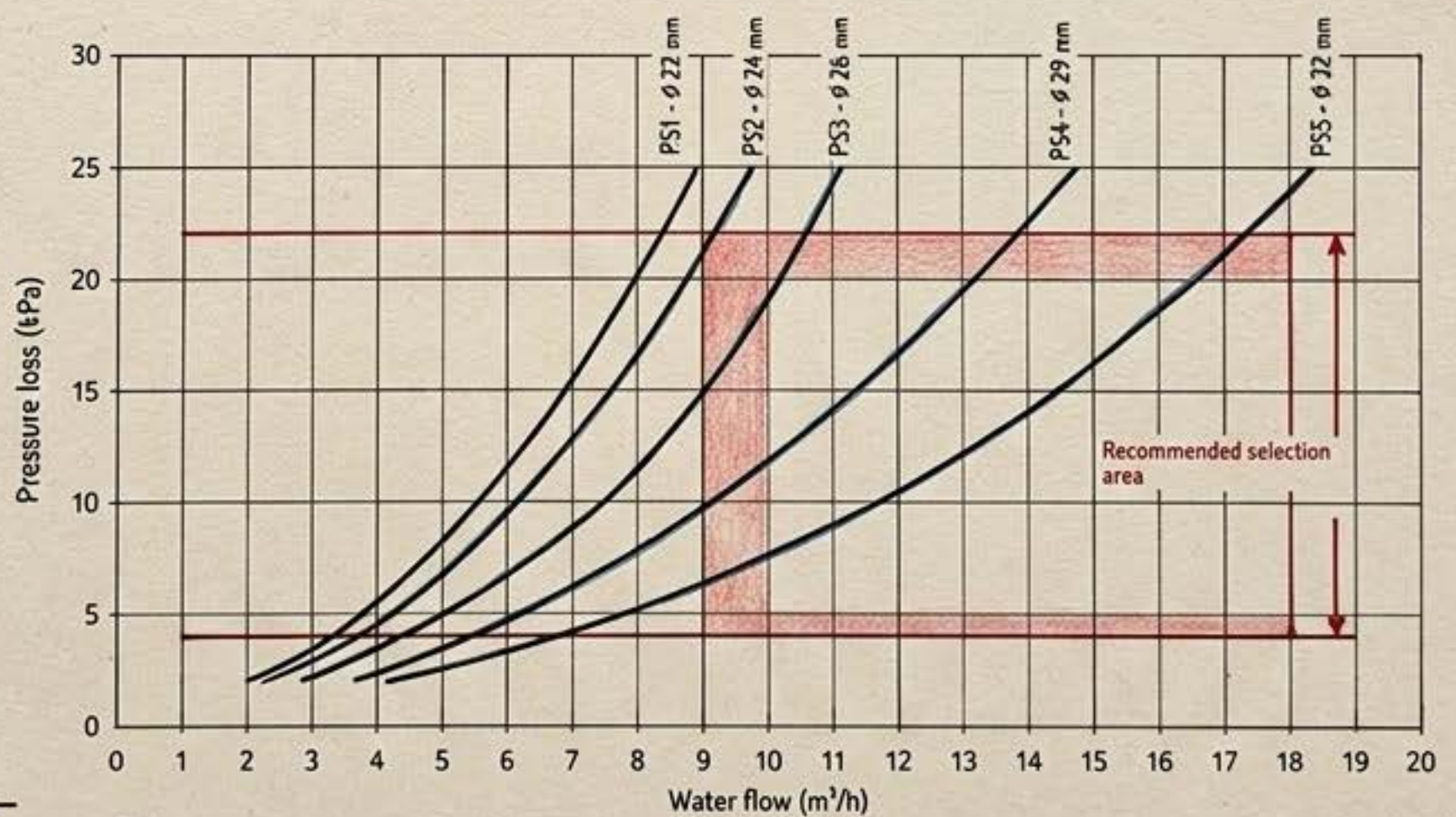
Wet Cooling Tower



NOZZLE
PS
MODEL

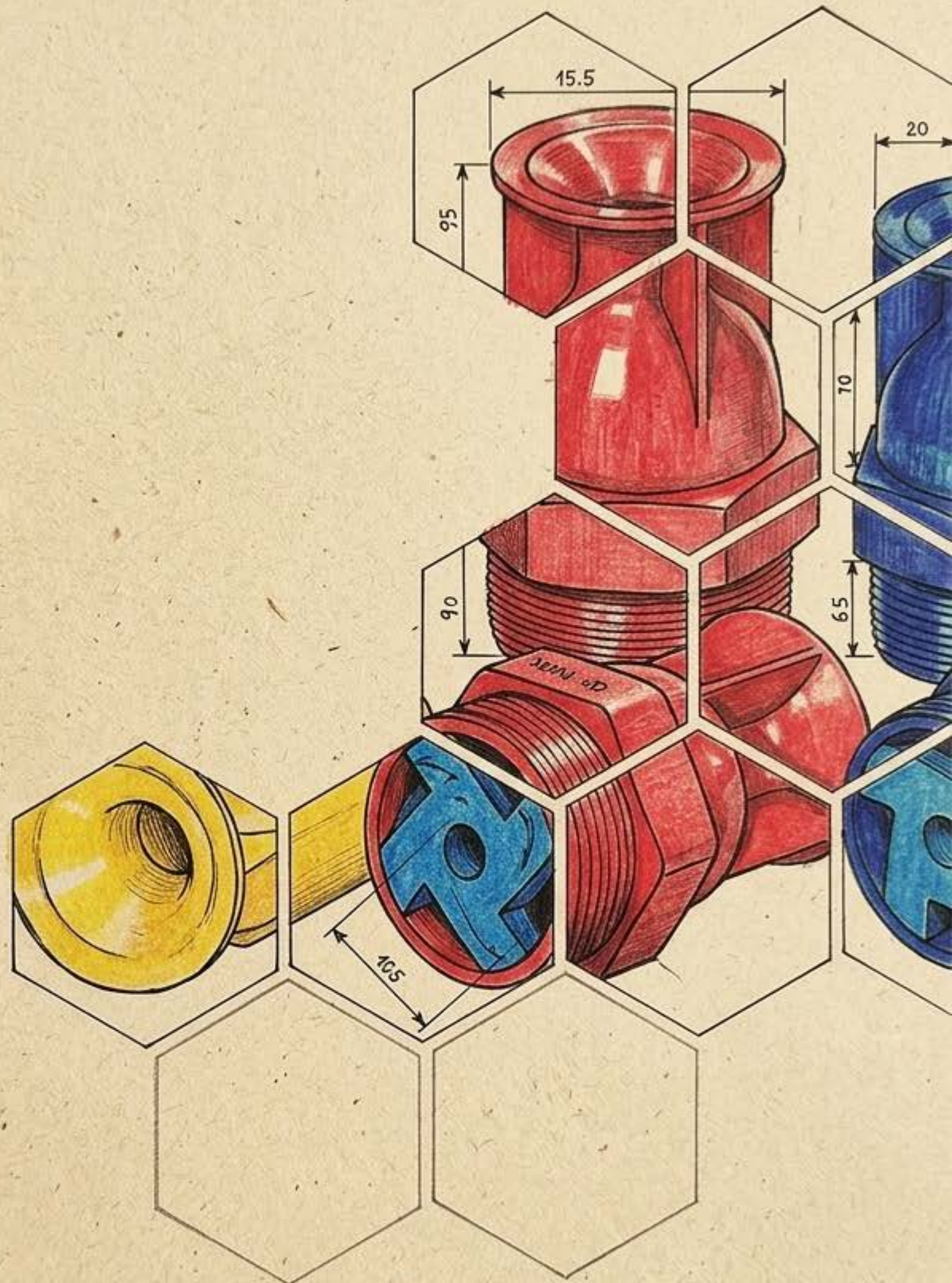


Pressure loss PS 1-5 splash spayer
(pressure losses in piping excluded)



Wet Cooling Tower

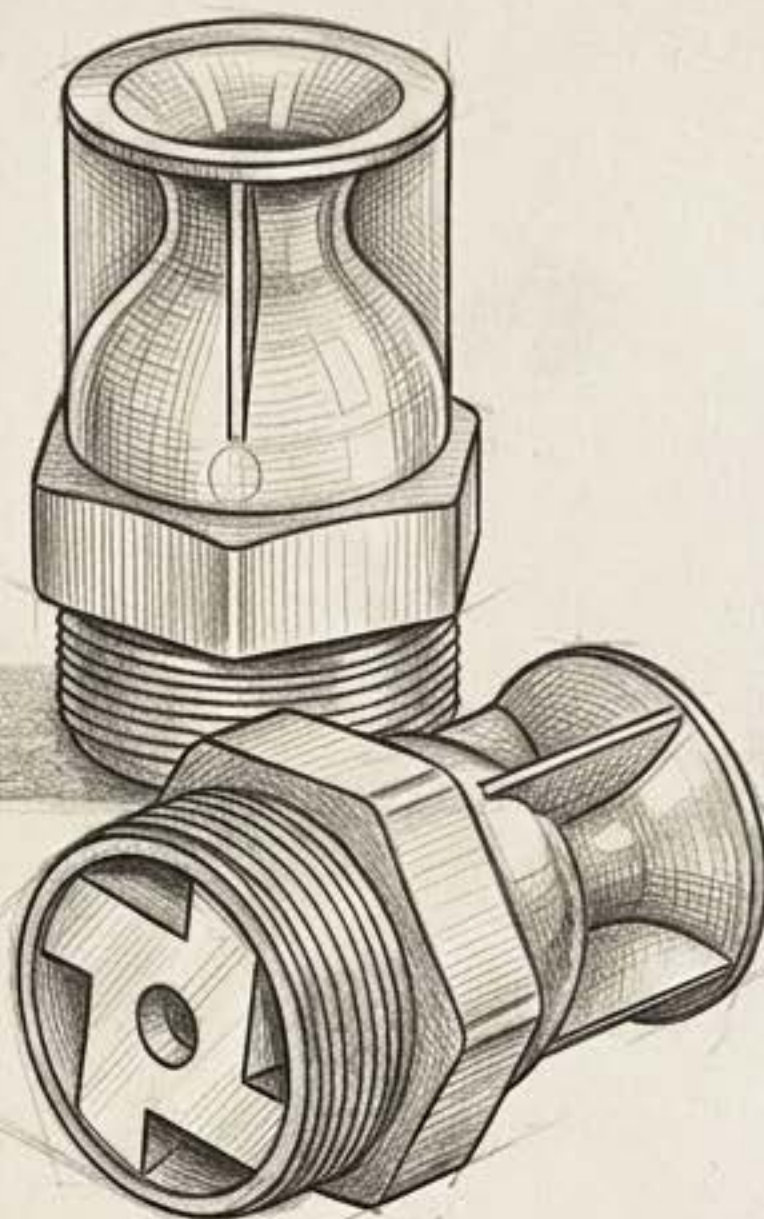
NOZZLE SPN MODEL



Wet Cooling Tower



SPN NOZZLE SPN MODEL

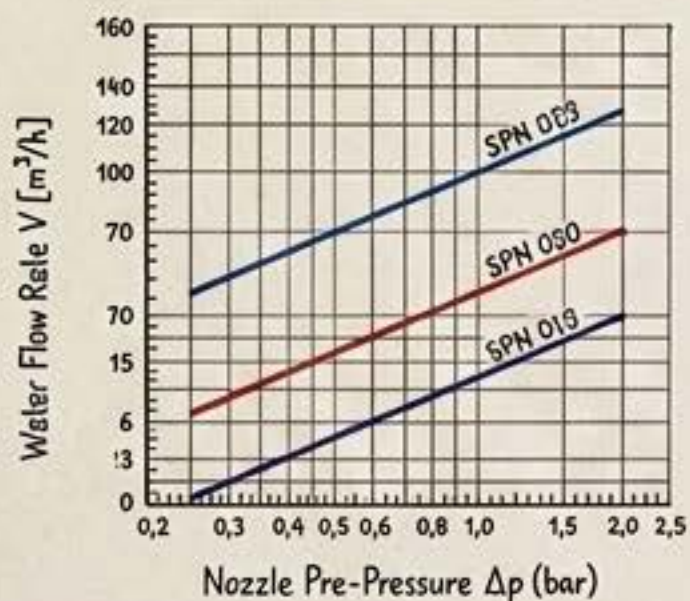


Technical Data

Type	SPN 015	SPN 020	SPN 025
			
Material	glass reinforced polyamide (nylon)	glass reinforced polyamide (nylon)	glass reinforced polyamide (nylon)
Thread ISO 228/1 [in:]	1 1/8	2	2 1/2
Thread height [mm]	17,5	19	28
Total nozzle height [mm]	48	60	75
Spanner width [mm]	50	65	80
Spray angle [°]	120	120	120
Operation pressure [bar]	0,2 - 2,0	0,2 - 2,0	0,2 - 2,0
Permanent service temperature [°C]	60	60	60
Max. application temp. [°C]	80	80	80

Flow Diagram

Wet Cooling Tower



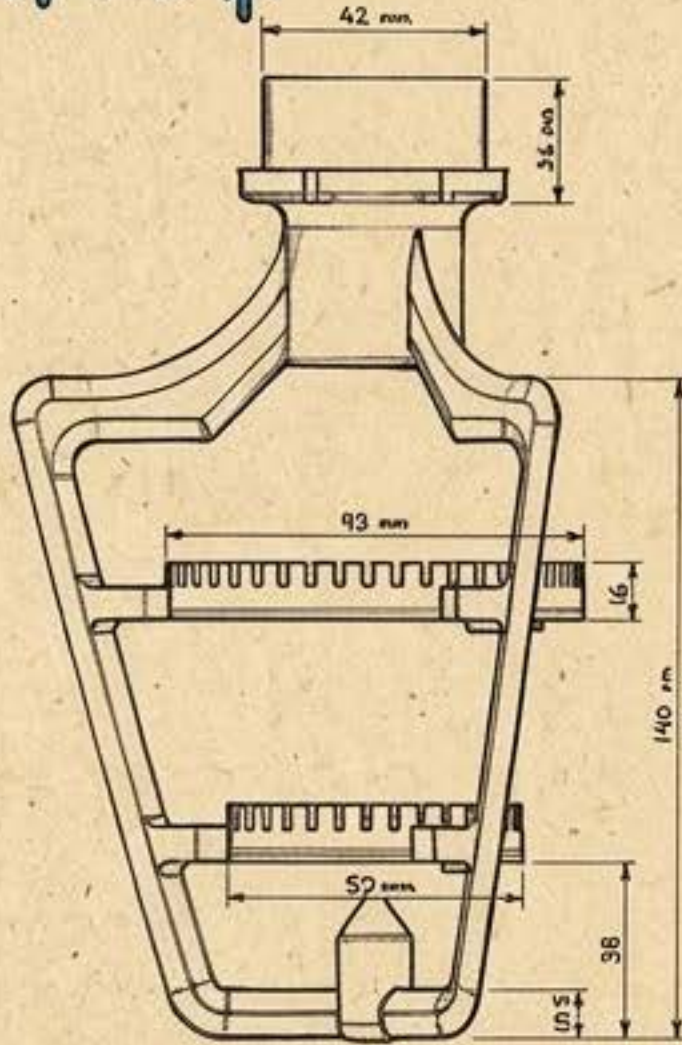
NOZZLE
X-MAS
MODEL



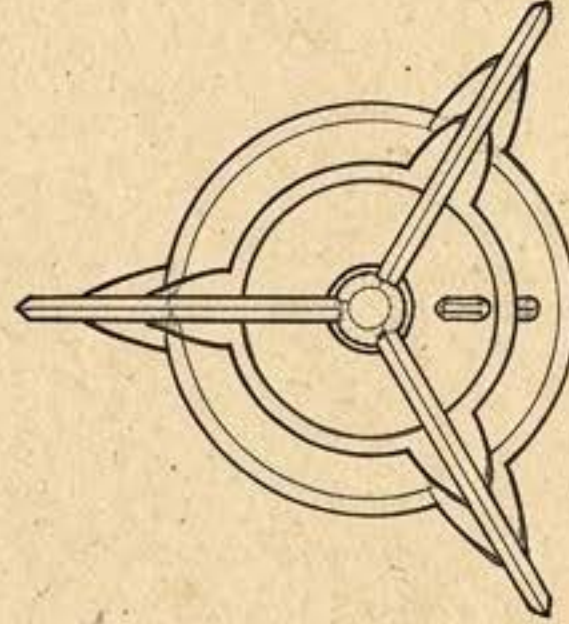
Wet Cooling Tower



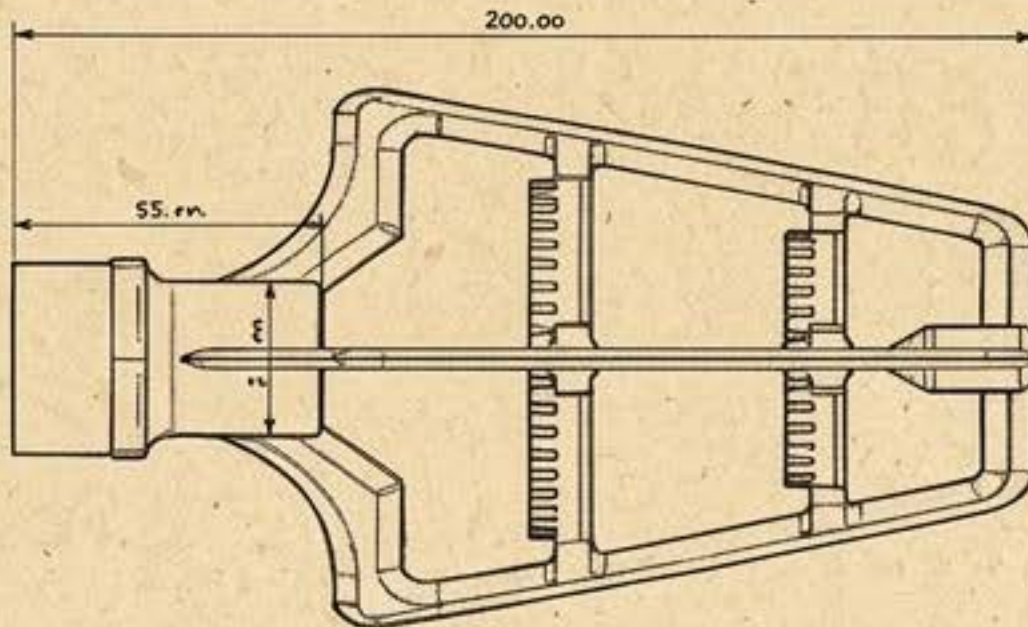
X-MAS



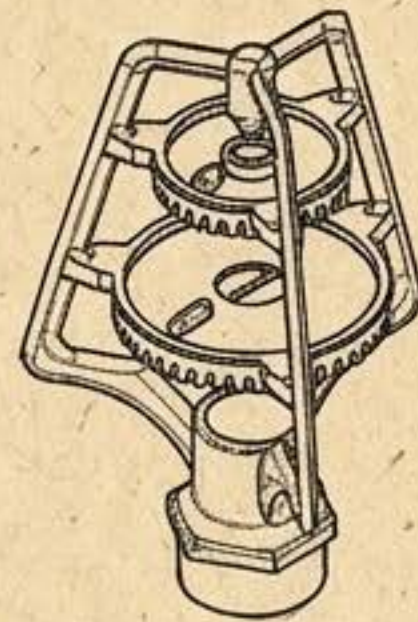
Top View



Front View



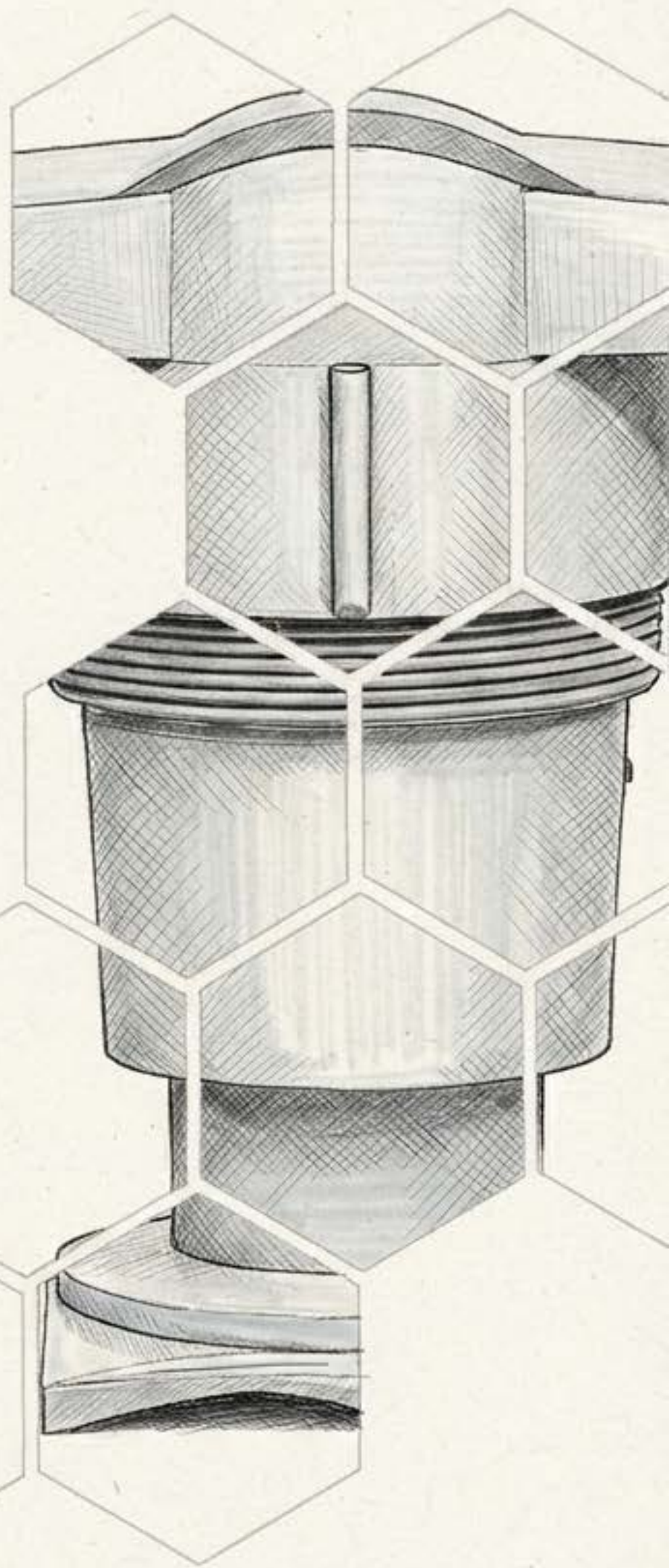
Left View



Isometric View

Wet Cooling Tower

NOZZLE
DECK-SPRAY
MODEL



Wet Cooling Tower



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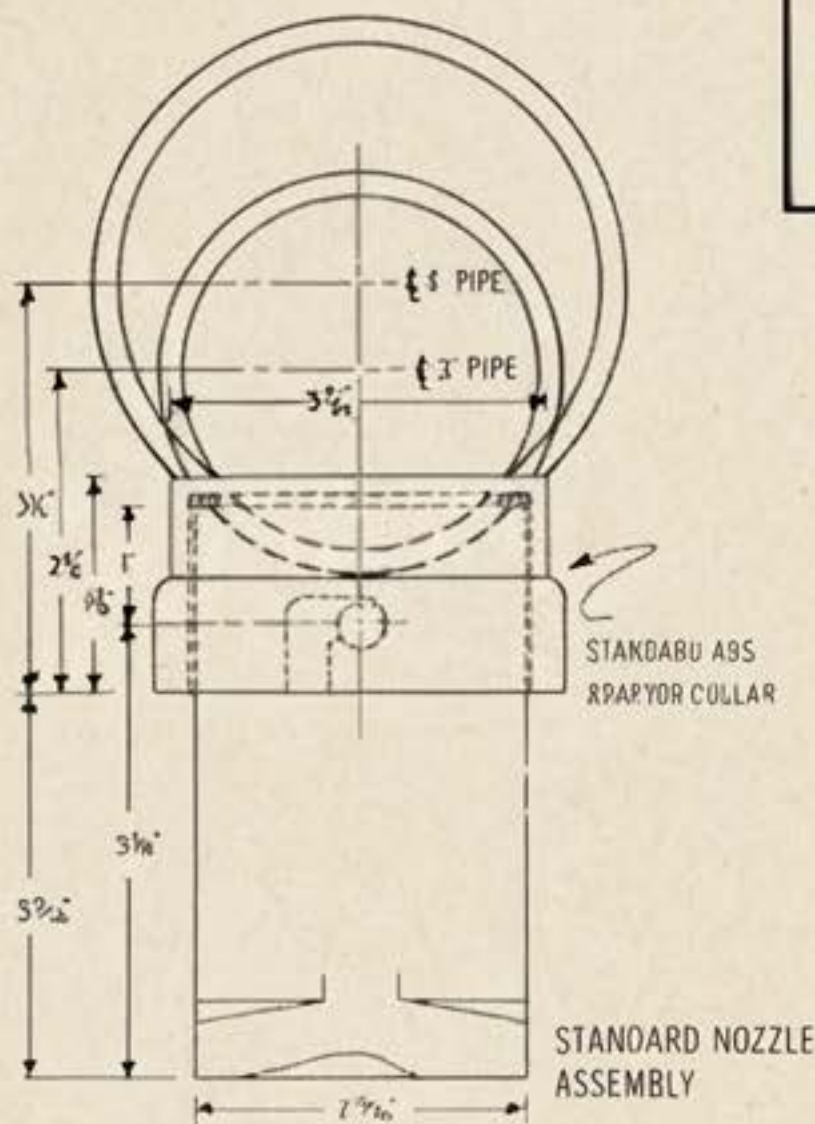
DECK-SPRAY

SIZING THE PIPING SYSTEM

The dimensional data given below should be used as a guide in selecting the minimum diameter of the plastic piping system. These sizes will minimize pressure losses and keep nozzle pressures uniform.

CRITICAL NOZZLE DIMENSIONS

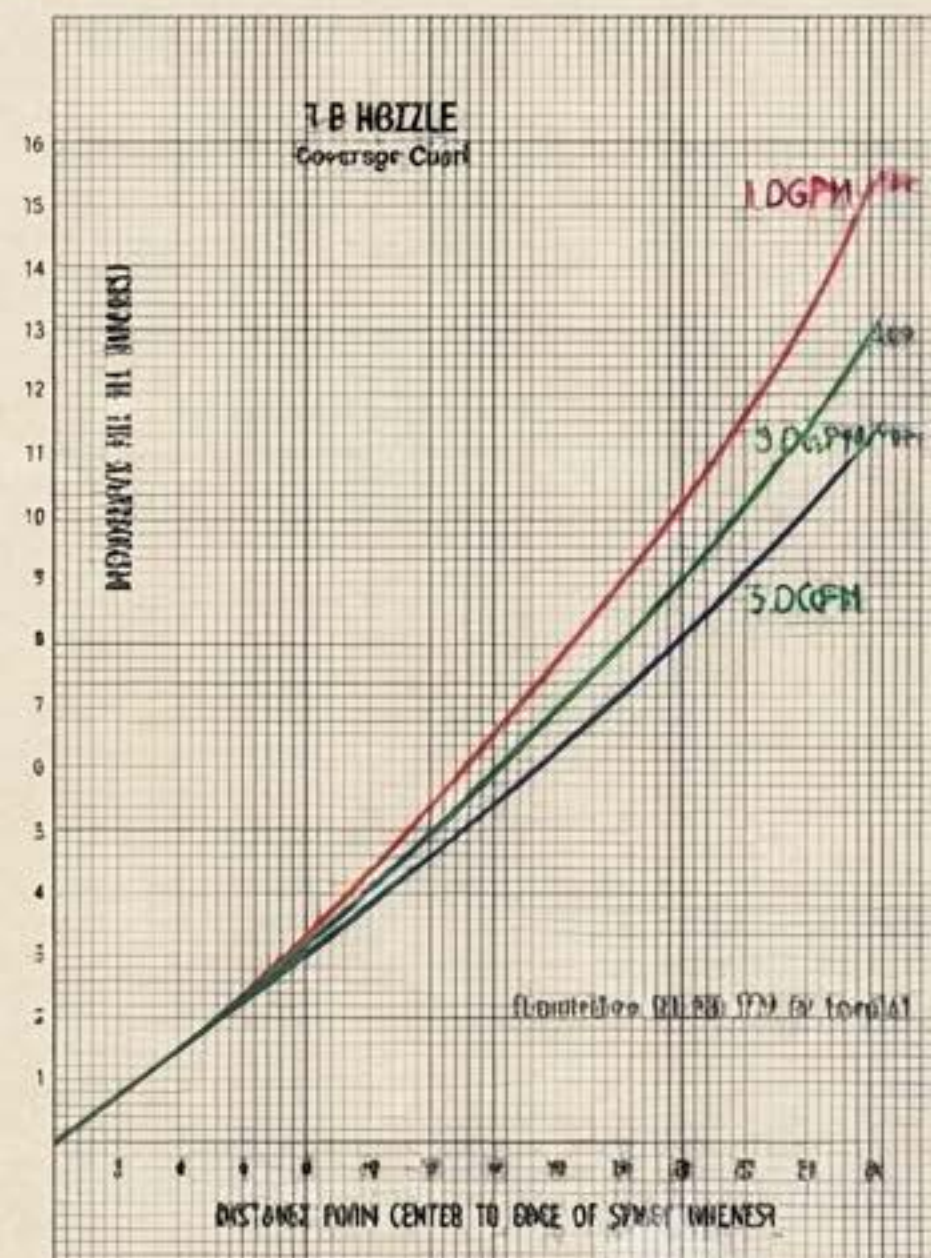
The distance from the center line of the pipe to the tip of the nozzle will vary with the diameter of the pipe and the type of adaptor. Check page two for the difference in dimension of the adaptors.



Nozzle Size	A	B
1-A	3"	3"
1-B	4"	3"
1-C	5"	4"
1-D	6"	4"

1-A	4"	3"
1-B	5"	4"
1-C	6"	4"
1-D	8"	5"

1-A	4"	3"
1-B	6"	4"
1-C	8"	5"
1-D	8"	6"



Wet Cooling Tower

