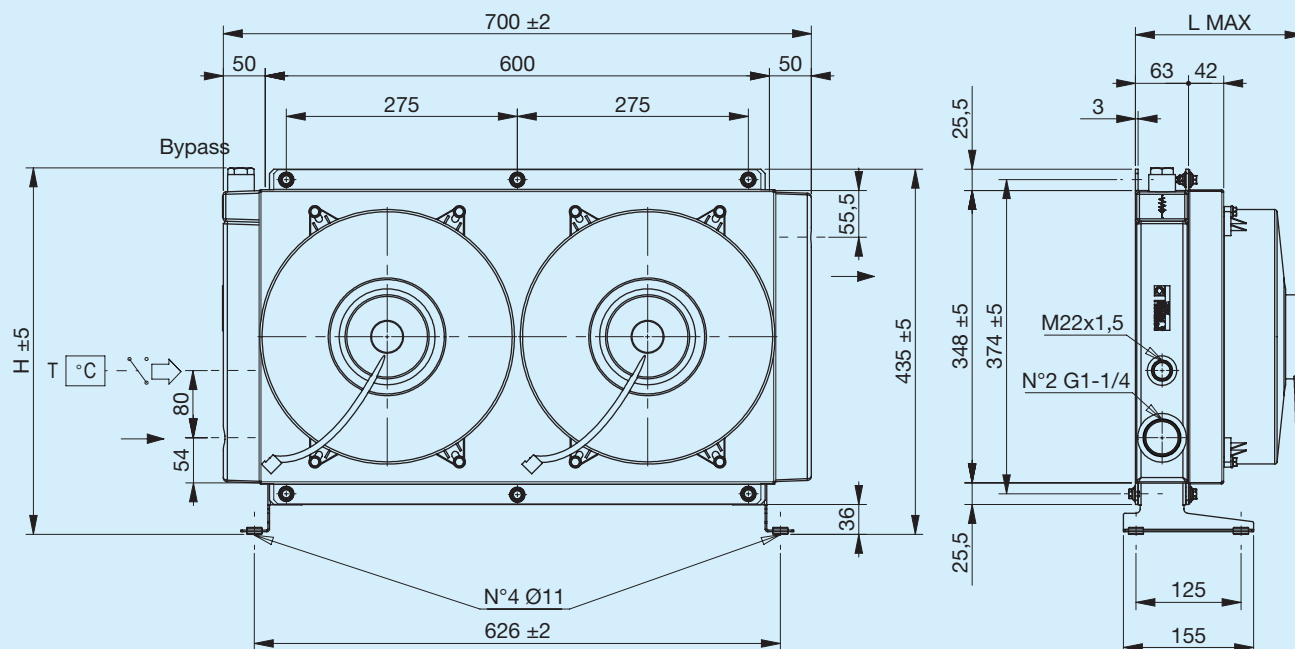


A50



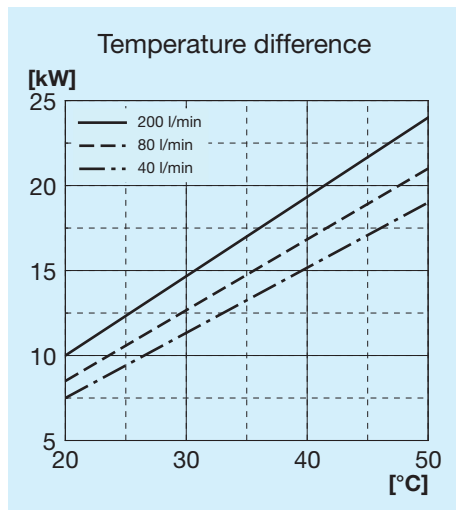
Before using the heat exchanger, carefully read the document entitled GENERAL INSTRUCTIONS FOR HEAT EXCHANGER USE.



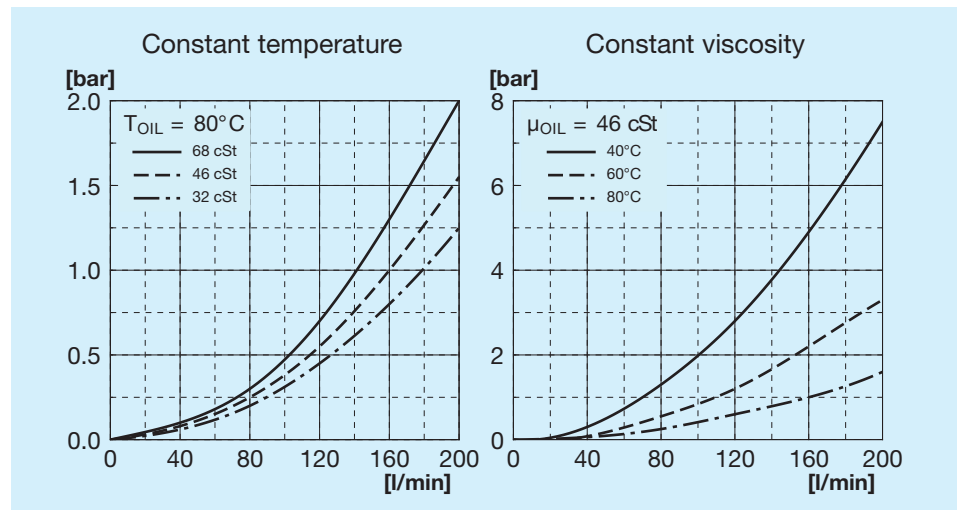
Support foot not included (see Accessories)

Code	Description	ΦFan mm	Air flow rate m³/h	Voltage V	Current A	L Max mm	H mm	Weight Kg	Capacity l
FR633103105	A50 2EAX 12V bypass T15 V.T. 3 bar 60°C	2x280	2x2350	12	2x12.5	200	436	18	3.4
FR633103106	A50 2ESX 12V bypass T15 V.T. 3 bar 60°C	2x280	2x2350	12	2x12.5	200	436	18	3.4
FR633101005	A50 2EAX 12V bypass T15 VNR 4.5 bar	2x280	2x2350	12	2x12.5	200	420	18	3.4
FR633101006	A50 2ESX 12V bypass T15 VNR 4.5 bar	2x280	2x2350	12	2x12.5	200	420	18	3.4
FR633103115	A50 2EAX 24V bypass T15 V.T. 3 bar 60°C	2x280	2x2500	24	2x7.2	200	436	18	3.4
FR633103116	A50 2ESX 24V bypass T15 V.T. 3 bar 60°C	2x280	2x2500	24	2x7.2	200	436	18	3.4
FR633101015	A50 2EAX 24V bypass T15 VNR 4.5 bar	2x280	2x2500	24	2x7.2	200	420	18	3.4
FR633101016	A50 2ESX 24V bypass T15 VNR 4.5 bar	2x280	2x2500	24	2x7.2	200	420	18	3.4
FR633100003	A50 2EAP 12V	2x280	2x1420	12	2x8.7	160	437	15.5	3.4
FR633100004	A50 2ESP 12V	2x280	2x1420	12	2x8.7	160	437	15.5	3.4
FR633100005	A50 2EAX 12V	2x280	2x2350	12	2x12.5	200	437	18	3.4
FR633100006	A50 2ESX 12V	2x280	2x2350	12	2x12.5	200	437	18	3.4
FR633100013	A50 2EAP 24V	2x280	2x1600	24	2x4.7	160	437	15.5	3.4
FR633100014	A50 2ESP 24V	2x280	2x1600	24	2x4.7	160	437	15.5	3.4
FR633100015	A50 2EAX 24V	2x280	2x2500	24	2x7.2	200	437	18	3.4
FR633100016	A50 2ESX 24V	2x280	2x2500	24	2x7.2	200	437	18	3.4

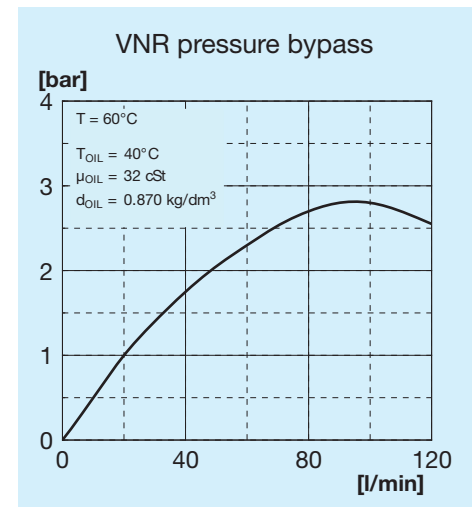
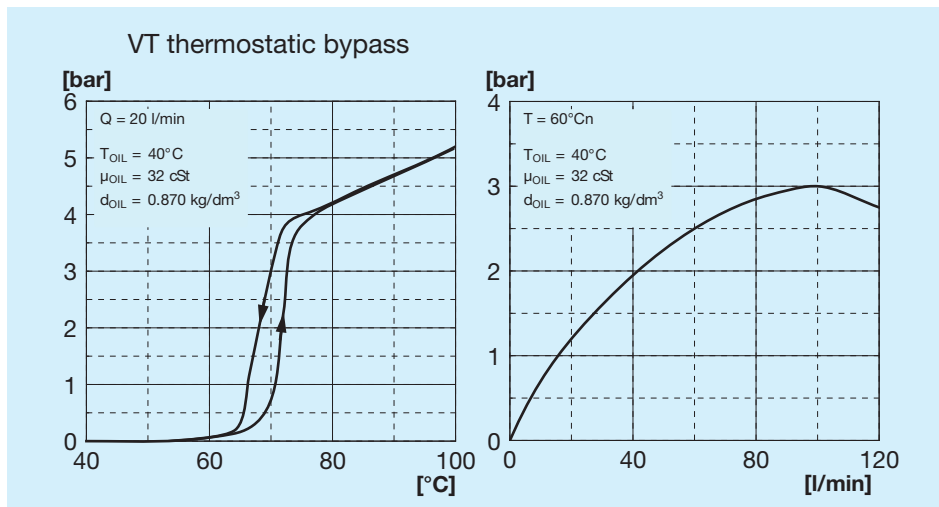
Heat exchange (thermal) capacity



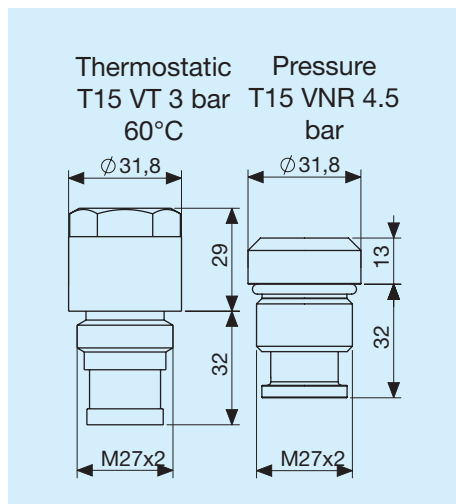
Radiator passage pressure drop



Bypass passage load loss

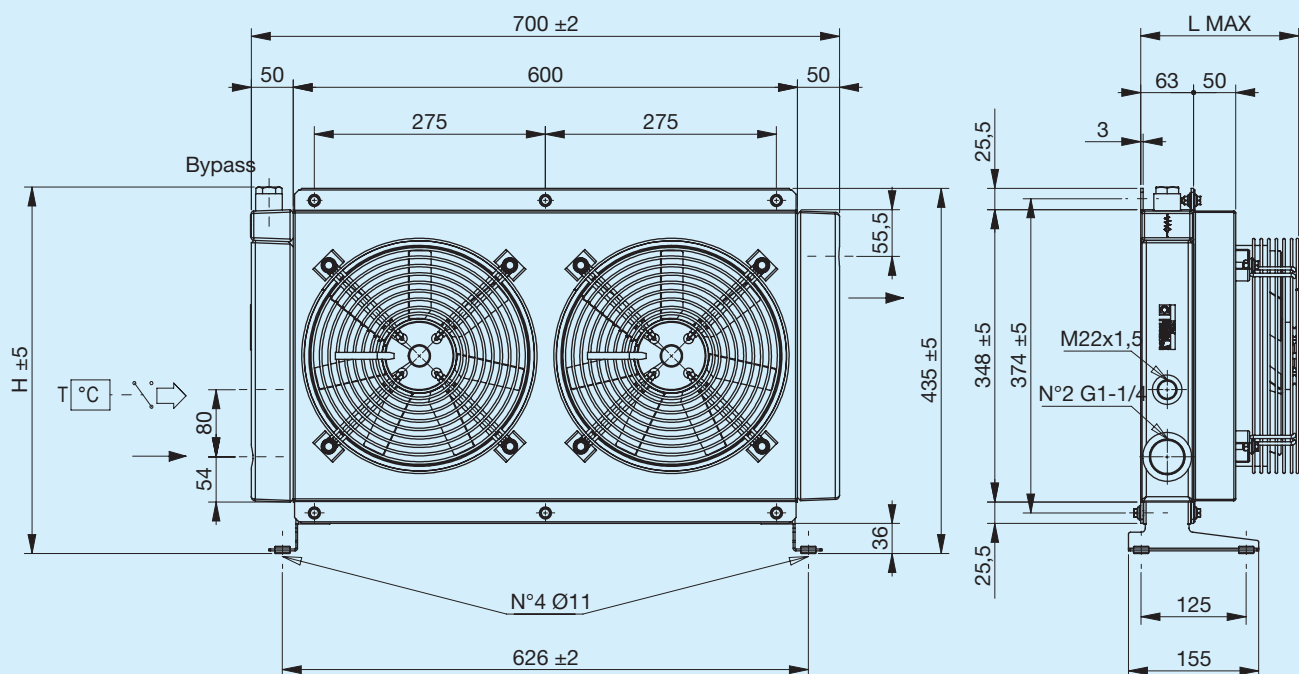


Bypass valves



Legend

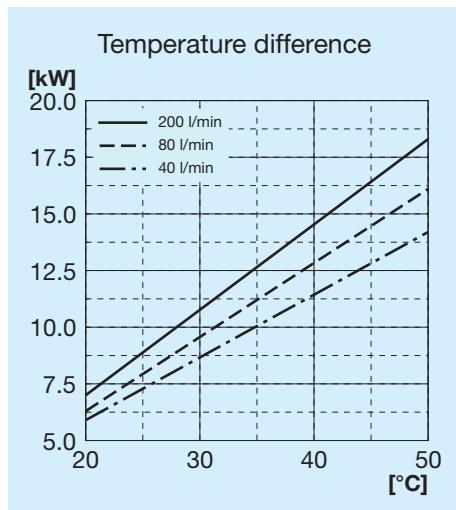
A50	Exchanger type
2E	2 Solenoid valves
A	Aspirating
S	Blowing
AP	High power aspirating
SP	High power blower
AX	Extra high power aspirating
SX	Extra high power blower
12V	Fan unit voltage
24V	Fan unit voltage
T15 VT	Thermostatic bypass valve 3 bar 60°C
T15 VNR	Pressure bypass valve at 4.5 bar



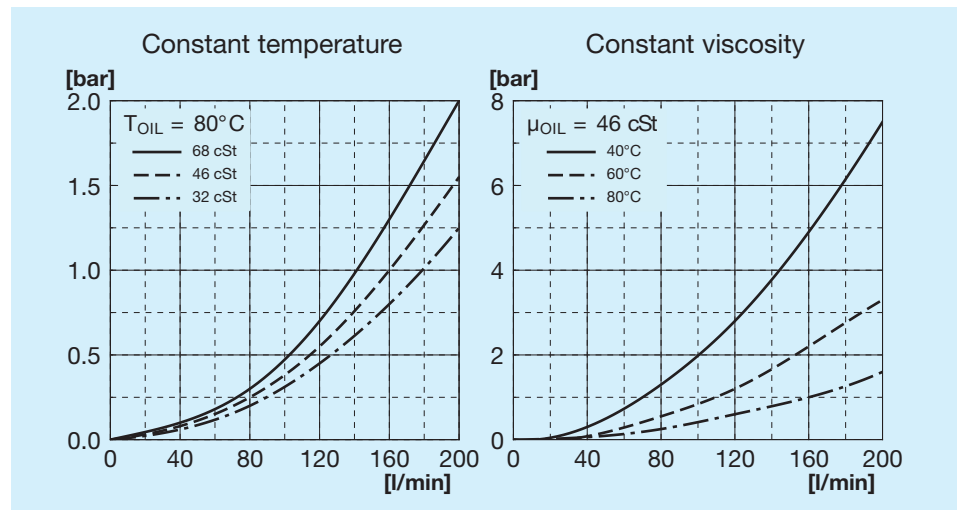
Support foot not included (see Accessories)

Code	Description	ΦFan mm	Power W	Frequen- cy Hz	Speed min ⁻¹	Pro- tection IP	L Max mm	H mm	Weight Kg	Capacity l
FR633103131	A50 2EA 230V bypass T15 V.T. 3 bar 60°C	2x250	150	50 60	2450 2600	44	188	436	18	3.4
FR633103132	A50 2ES 230V bypass T15 V.T. 3 bar 60°C	2x250	150	50 60	2450 2600	44	188	436	18	3.4
FR633101031	A50 2EA 230V bypass T15 VNR 4.5 bar	2x250	150	50 60	2450 2600	44	188	420	18	3.4
FR633101032	A50 2ES 230V bypass T15 VNR 4.5 bar	2x250	150	50 60	2450 2600	44	188	420	18	3.4
FR633103121	A50 2EA 400V bypass T15 V.T. 3 bar 60°C	2x250	140	50 60	2500 2650	44	188	436	18	3.4
FR633103122	A50 2ES 400V bypass T15 V.T. 3 bar 60°C	2x250	140	50 60	2500 2650	44	188	436	18	3.4
FR633101021	A50 2EA 400V bypass T15 VNR 4.5 bar	2x250	140	50 60	2500 2650	44	188	420	18	3.4
FR633101022	A50 2ES 400V bypass T15 VNR 4.5 bar	2x250	140	50 60	2500 2650	44	188	420	18	3.4
FR633100031	A50 2EA 230V	2x250	150	50 60	2450 2600	44	188	437	18	3.4
FR633100032	A50 2ES 230V	2x250	150	50 60	2450 2600	44	188	437	18	3.4
FR633100021	A50 2EA 400V	2x250	140	50 60	2500 2650	44	188	437	18	3.4
FR633100022	A50 2ES 400V	2x250	140	50 60	2500 2650	44	188	437	18	3.4

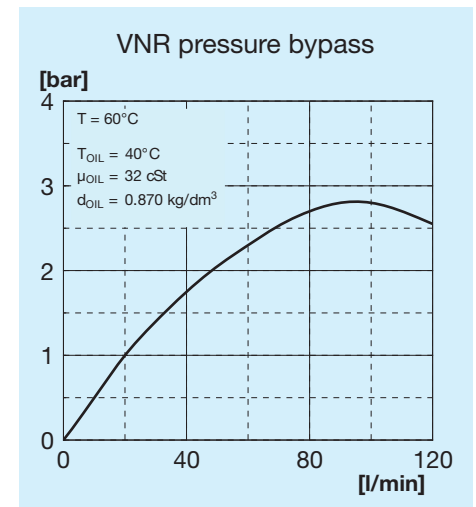
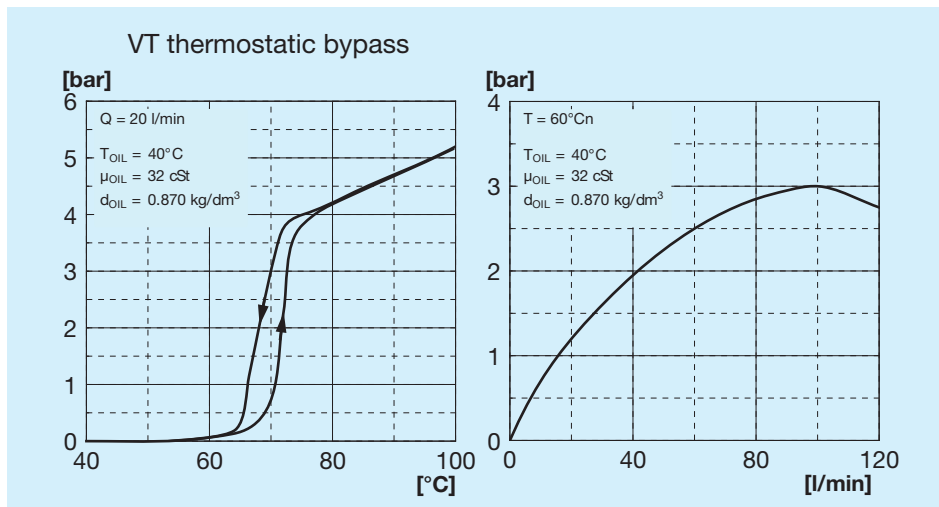
Heat exchange (thermal) capacity



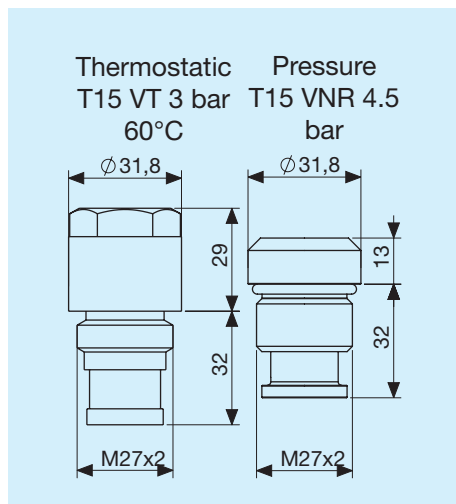
Radiator passage pressure drop



Bypass passage load loss

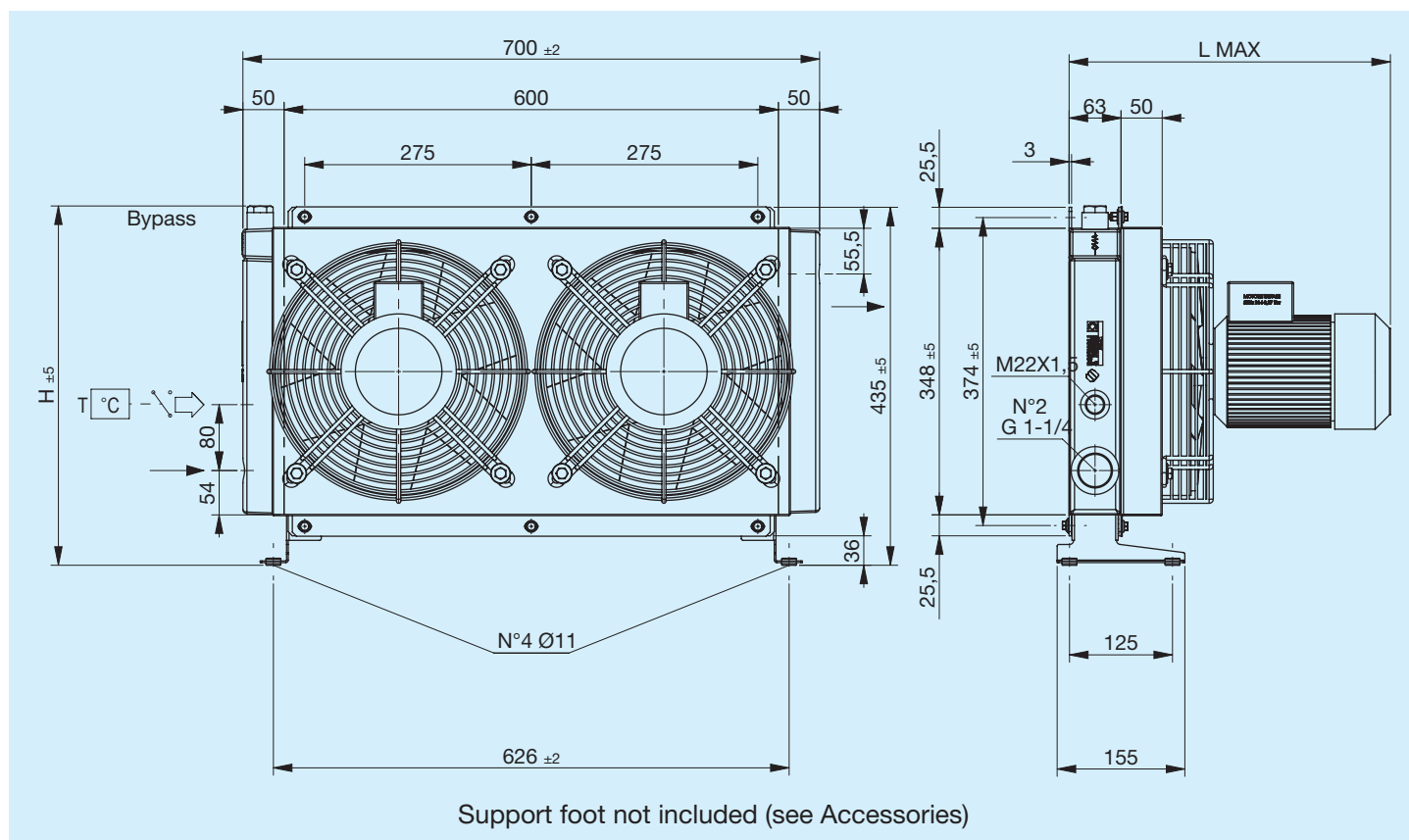


Bypass valves



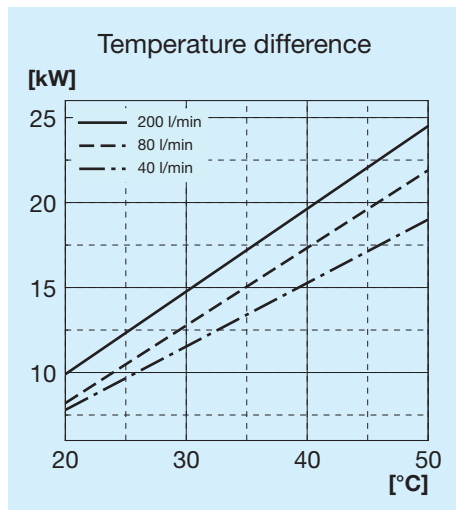
Legend

A50	Exchanger type
2E	2 Solenoid valves
A	Aspirating
S	Blowing
230V	Fan unit voltage
400V	Fan unit voltage
T15 VT	Thermostatic bypass valve 3 bar 60°C
T15 VNR	Pressure bypass valve at 4.5 bar

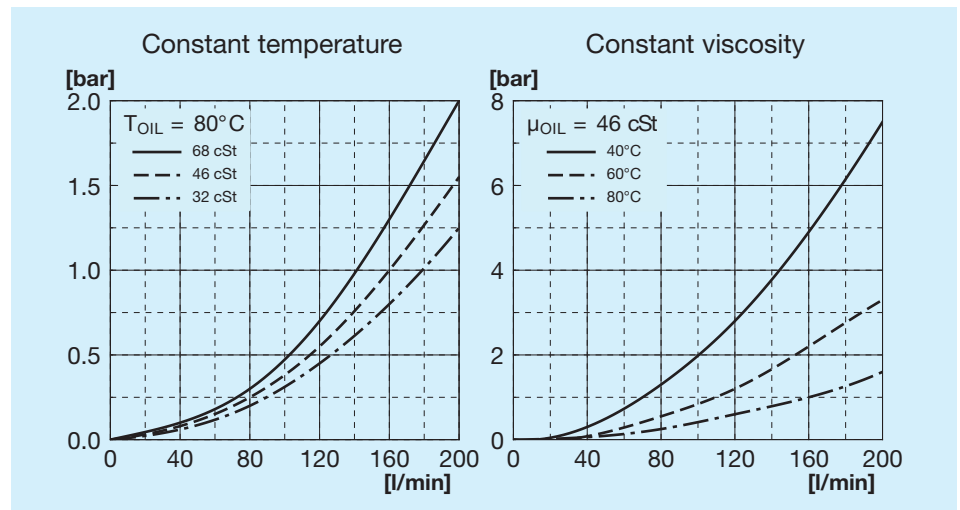


Code	Description	ΦFan mm	Power W	Frequen- cy Hz	Speed min ⁻¹	Pro- tection IP	L Max mm	H mm	Weight Kg	Capacity l
FR633103141	A50 2EA 230V-B14 bypass T15 V.T. 3 bar 60°C	2x290	370	50	2790	65	390	436	27	3.4
FR633103142	A50 2EA 230V-B14 bypass T15 V.T. 3 bar 60°C	2x290	370	50	2790	65	390	436	27	3.4
FR633101041	A50 2EA 230V-B14 bypass T15 VNR 4.5 bar	2x290	370	50	2790	65	390	420	27	3.4
FR633101042	A50 2EA 230V-B14 bypass T15 VNR 4.5 bar	2x290	370	50	2790	65	390	420	27	3.4
FR633103151	A50 2EA 400V-B14 bypass T15 V.T. 3 bar 60°C	2x290	370	50	2790	65	390	436	27	3.4
FR633103152	A50 2ES 400V-B14 bypass T15 V.T. 3 bar 60°C	2x290	370	50	2790	65	390	436	27	3.4
FR633101051	A50 2EA 400V-B14 bypass T15 VNR 4.5 bar	2x290	370	50	2790	65	390	420	27	3.4
FR633101052	A50 2ES 400V-B14 bypass T15 VNR 4.5 bar	2x290	370	50	2790	65	390	420	27	3.4
FR633100041	A50 2EA 230V-B14	2x290	370	50	2790	65	390	437	27	3.4
FR633100042	A50 2ES 230V-B14	2x290	370	50	2790	65	390	437	27	3.4
FR633100051	A50 2EA 400V-B14	2x290	370	50	2790	65	390	437	27	3.4
FR633100052	A50 2ES 400V-B14	2x290	370	50	2790	65	390	437	27	3.4

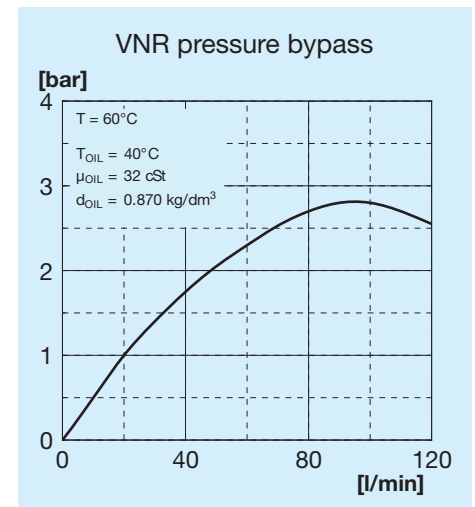
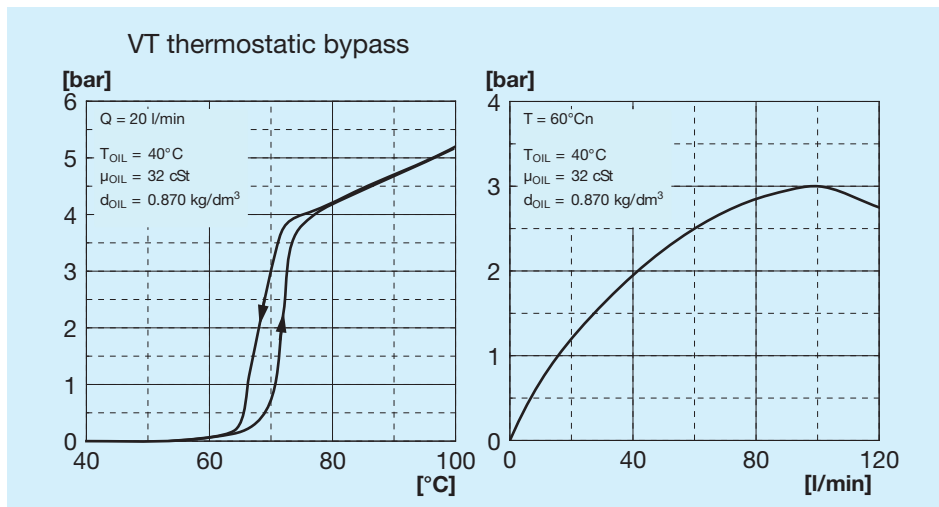
Heat exchange (thermal) capacity



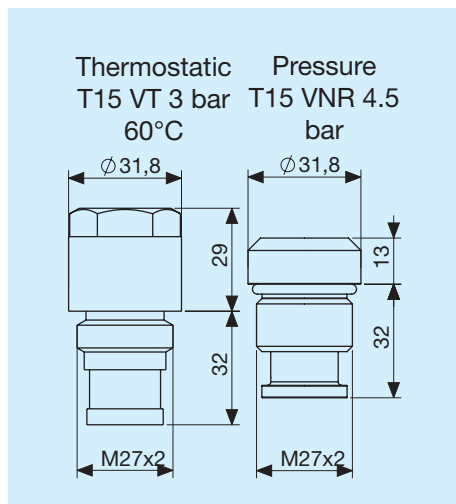
Radiator passage pressure drop



Bypass passage load loss

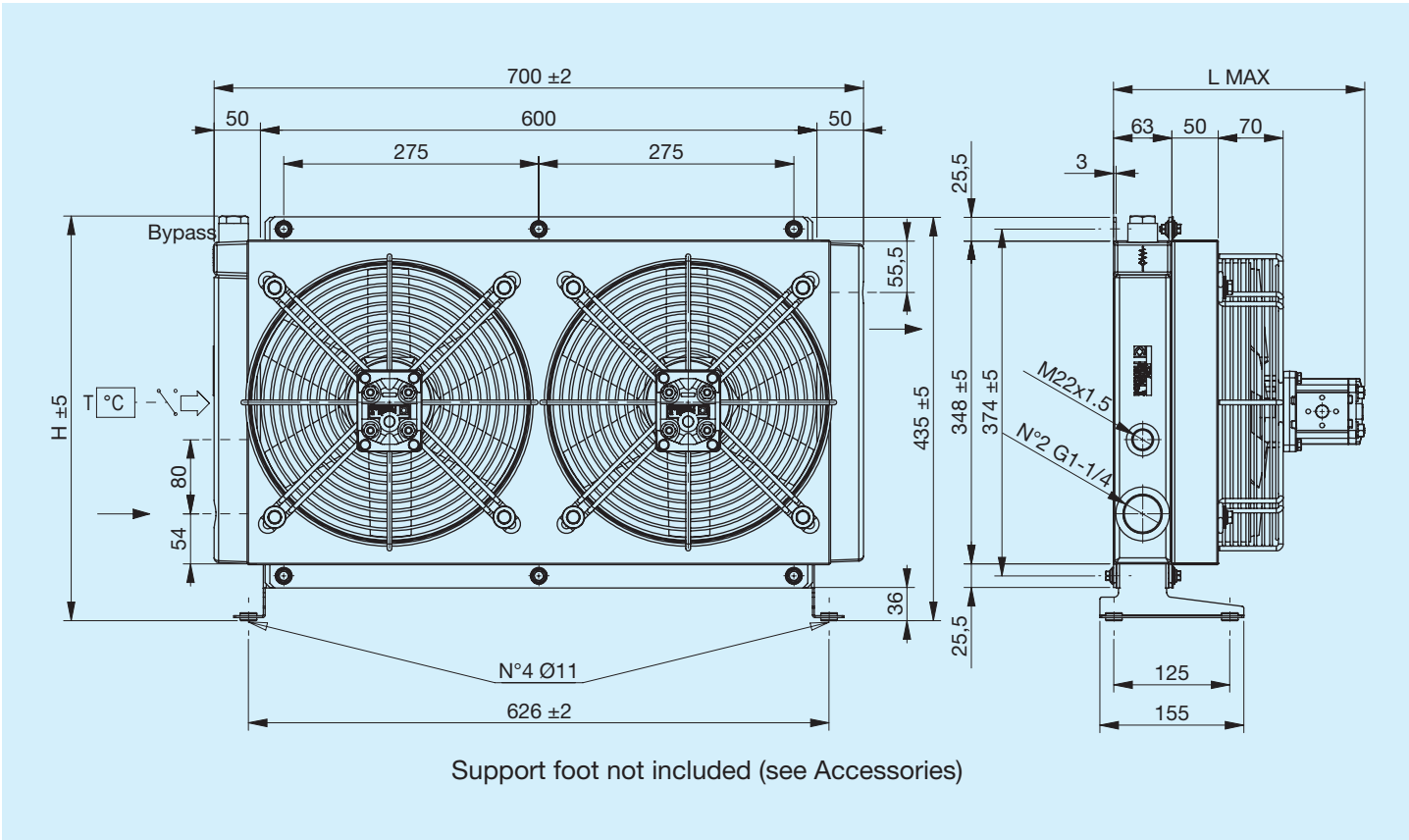


Bypass valves



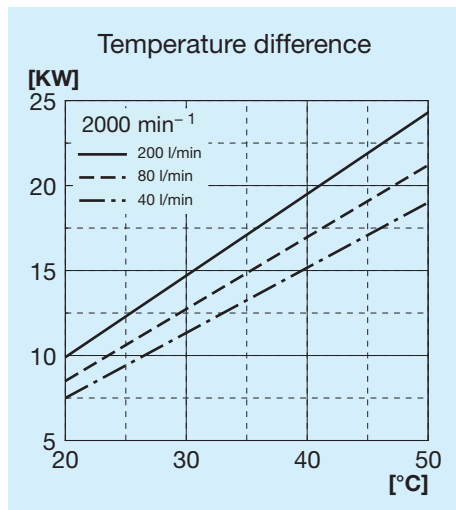
Legend

A50	Exchanger type
2E	2 Solenoid valves
A	Aspirating
S	Blowing
230V B14	Fan unit voltage
400V B14	Fan unit voltage
T15 VT	Thermostatic bypass valve 3 bar 60°C
T15 VNR	Pressure bypass valve at 4.5 bar

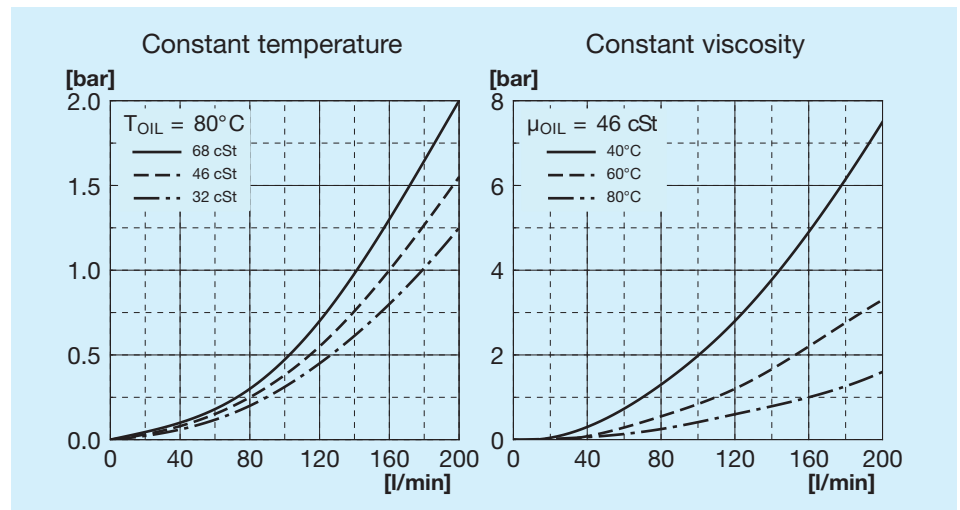


Code	Description	ΦFan	Motor displacement	L Max	H	Weight	Capacity
		mm	cm3	mm	mm	Kg	l
FR634103113	A50 IA HYDR.MOT. GR1 bypass T15 V.T. 3 bar 60°C	2x290	6	271	436	21	3.4
FR634103114	A50 IS HYDR.MOT. GR1 bypass T15 V.T. 3 bar 60°C	2x290	6	271	436	21	3.4
FR634101013	A50 IA HYDR.MOT. GR1 bypass T15 VNR 4.5 bar	2x290	6	271	420	21	3.4
FR634101014	A50 IS HYDR.MOT. GR1 bypass T15 VNR 4.5 bar	2x290	6	271	420	21	3.4
FR634100013	A50 IA HYDR.MOT. GR1	2x290	6	271	437	21	3.4
FR634100014	A50 IS HYDR.MOT. GR1	2x290	6	271	437	21	3.4

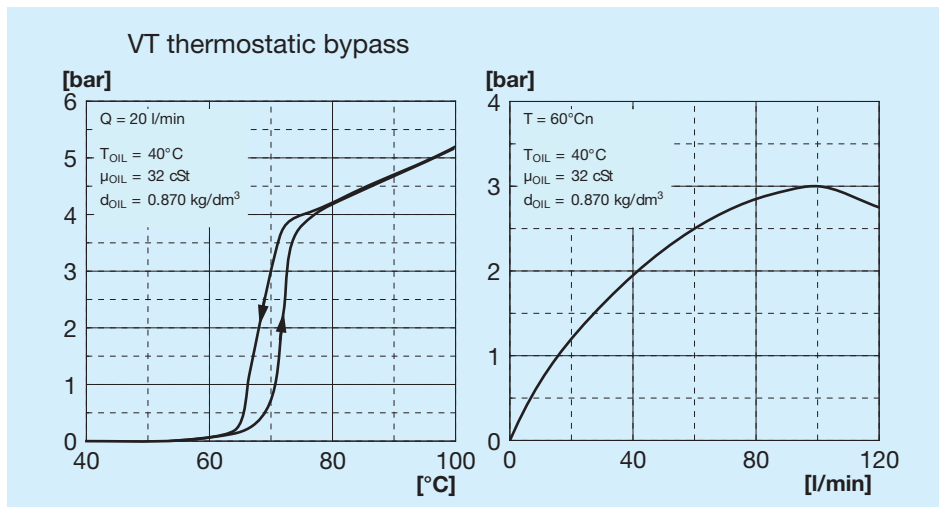
Heat exchange (thermal) capacity



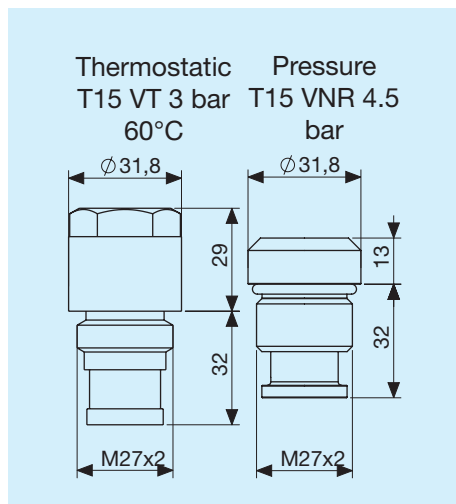
Radiator passage pressure drop



Bypass passage load loss



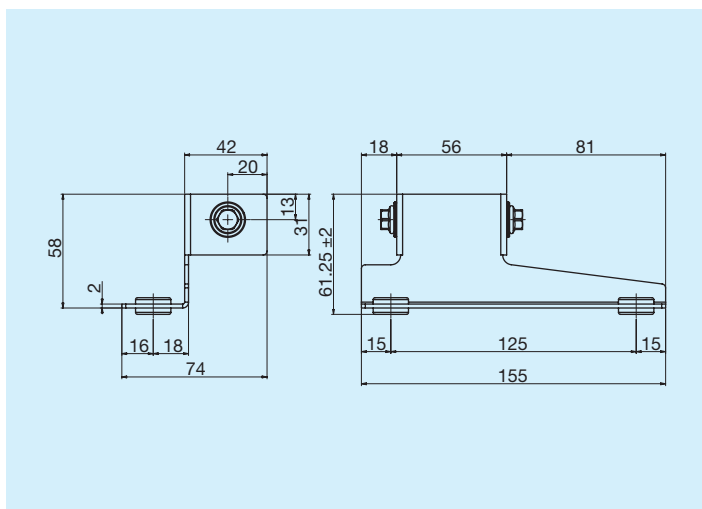
Bypass valves



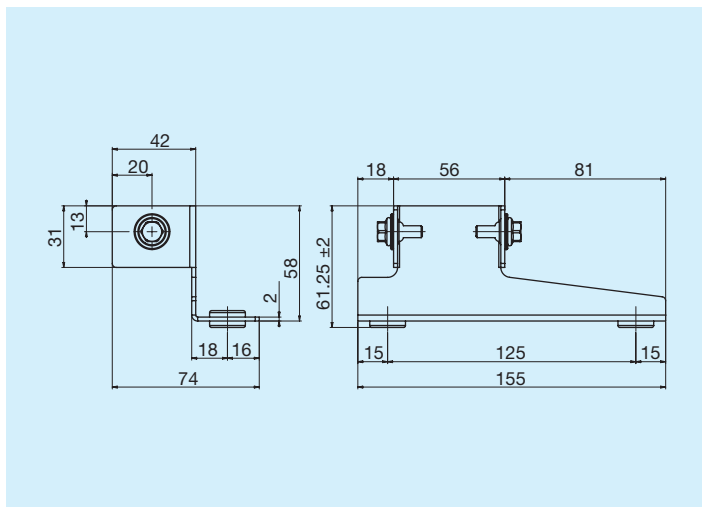
Legend

A50	Exchanger type
IA	Hydraulic aspirating
IS	Hydraulic blowing
SETT.	With motor mounting
HYD. MOT.	With integrated motor mounting
GR1	Group 1
GR2	Group 2
T15 VT	Thermostatic bypass valve 3 bar 60°C
T15 VNR	Pressure bypass valve at 4.5 bar

Left supporting foot

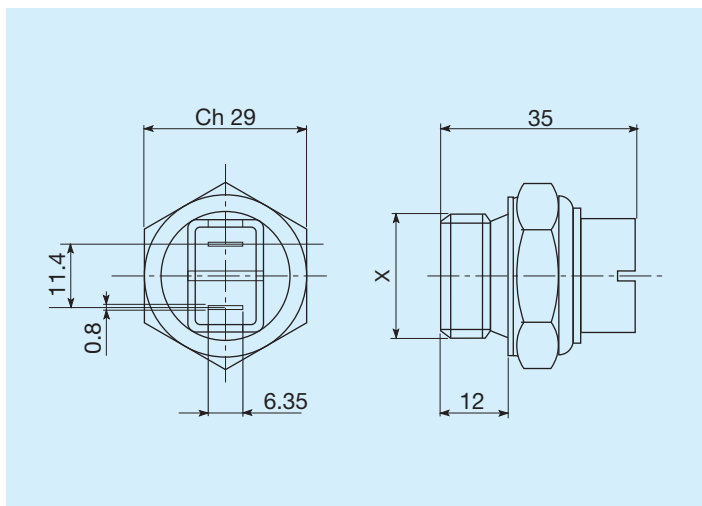


Code	
Left supporting foot	FR290000011R



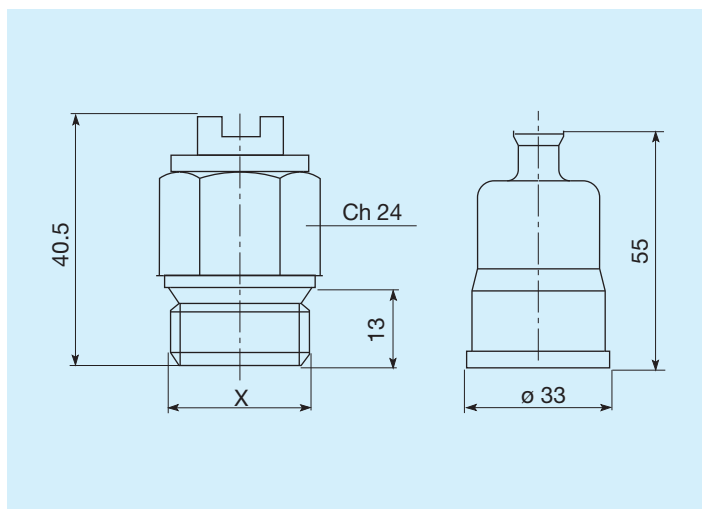
Code	
Right supporting foot	FR290000012R

Thermostats



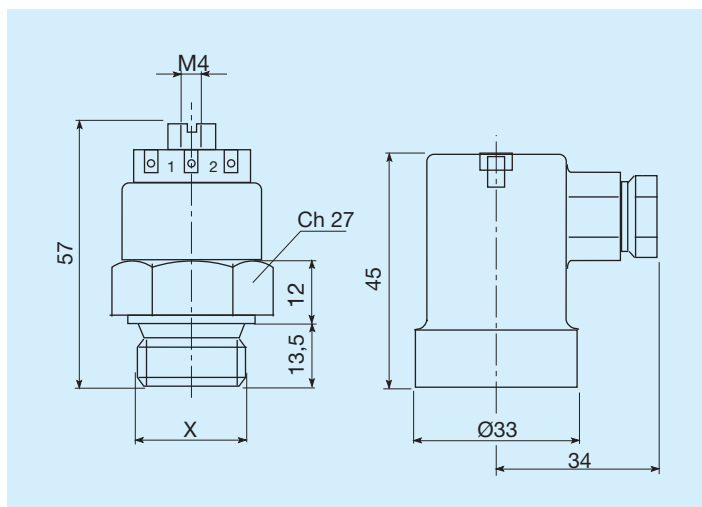
Trigger temperature °C	Threading	Code
45 - 35	M22x1.5	FR361104535R
60 - 50	M22x1.5	FR361106050R
80 - 70	M22x1.5	FR361108070R
82 - 68	M22x1.5	FR361108268R
85 - 76	M22x1.5	FR361108576R

IP54 protected thermal switch



Trigger temperature C°	Threading	Code
45 - 35	M22x1.5	FR361124535R
50 - 40	M22x1.5	FR361125040R
60 - 50	M22x1.5	FR361126050R
70 - 60	M22x1.5	FR361127060R
80 - 70	M22x1.5	FR361128070R

IP65 protected thermal switch



Trigger temperature C°	Threading	Code
45 - 35	M22x1.5	FR361154535R
47 - 36	M22x1.5	FR361155040R
60 - 50	M22x1.5	FR361176050R
80 - 70	M22x1.5	FR361158070R