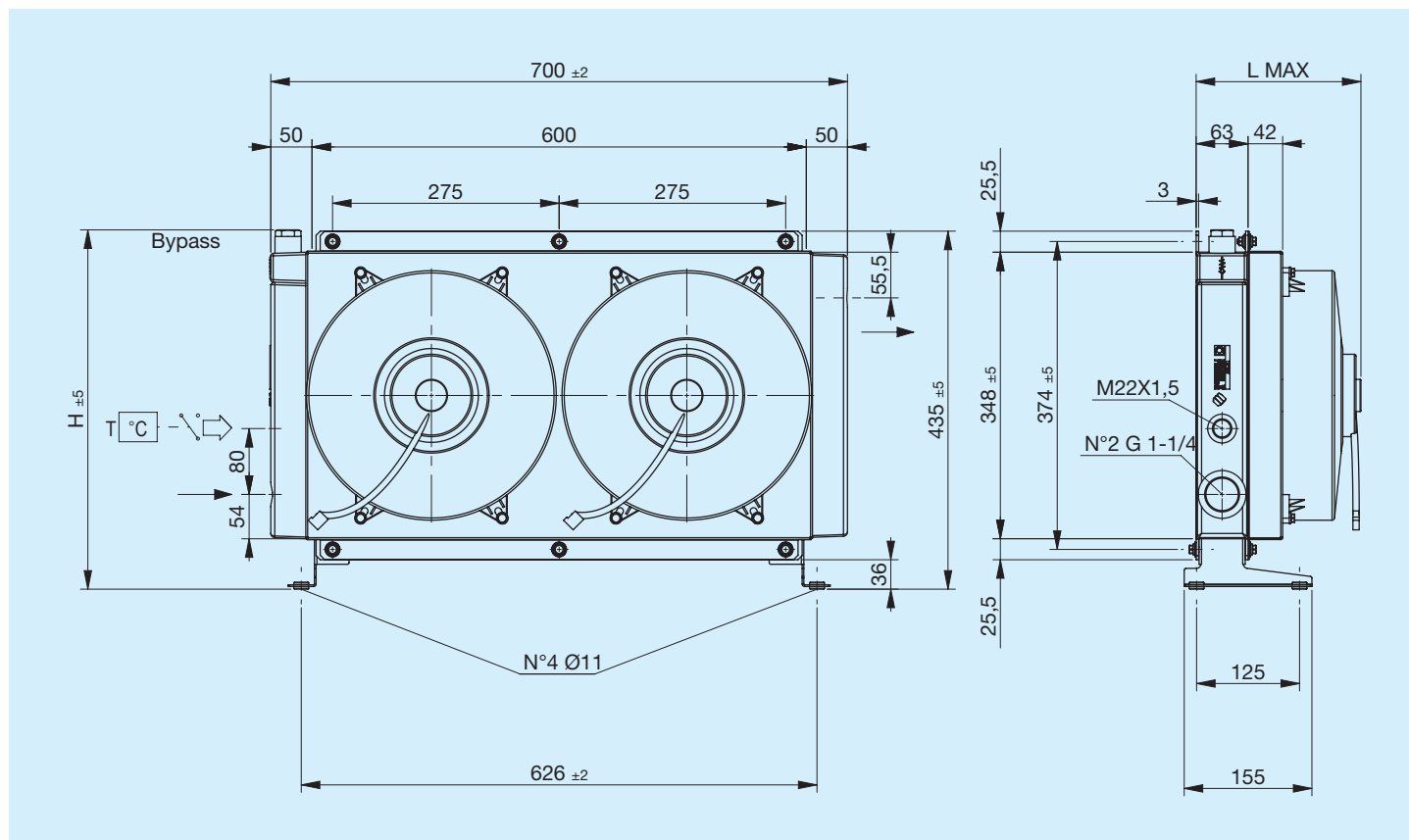


A50

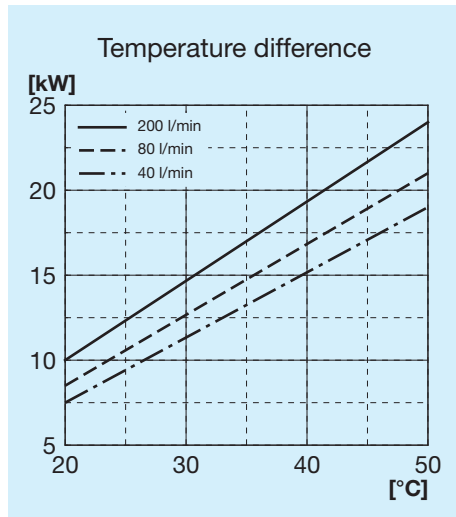


Before using the heat exchanger, carefully read the document entitled GENERAL OPERATING INSTRUCTIONS FOR HEAT EXCHANGER USE

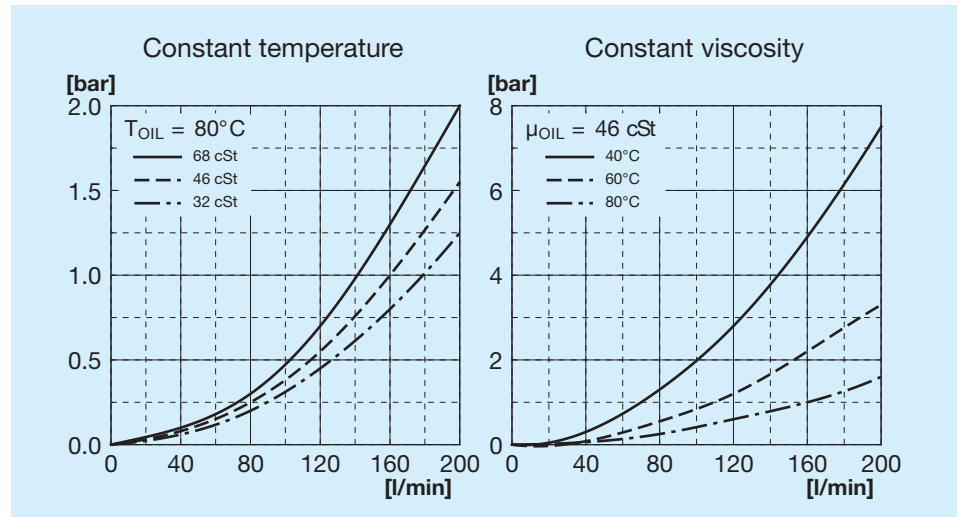


Code	Description	ΦFan mm	Air flow m³/h	Voltage V	Amperage A	L Max mm	H mm	Weight Kg	Capacity l
FR633103105	A50 2EAX 12V bypass T15 V.T. 3 bar 60°C	2x280	2x2350	12	2x12.5	200	436	18	3.4
FR633103106	A50 2ESX 12V bypass T15 V.T. 3 bar 60°C	2x280	2x2350	12	2x12.5	200	436	18	3.4
FR633101005	A50 2EAX 12V bypass 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

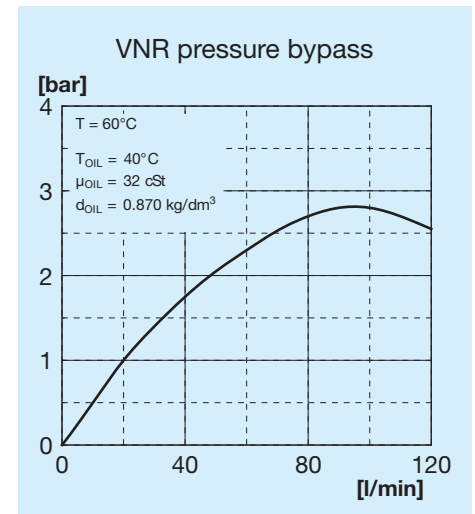
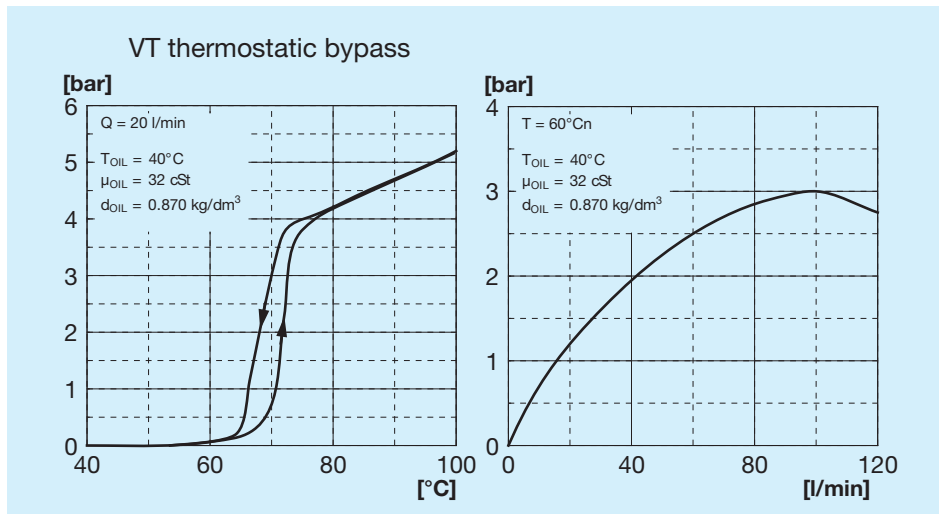
Heat exchange (thermal) capacity



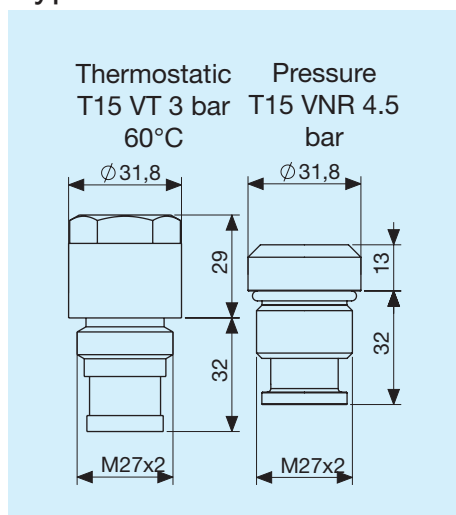
Radiator passage pressure drop



Bypass passage load loss

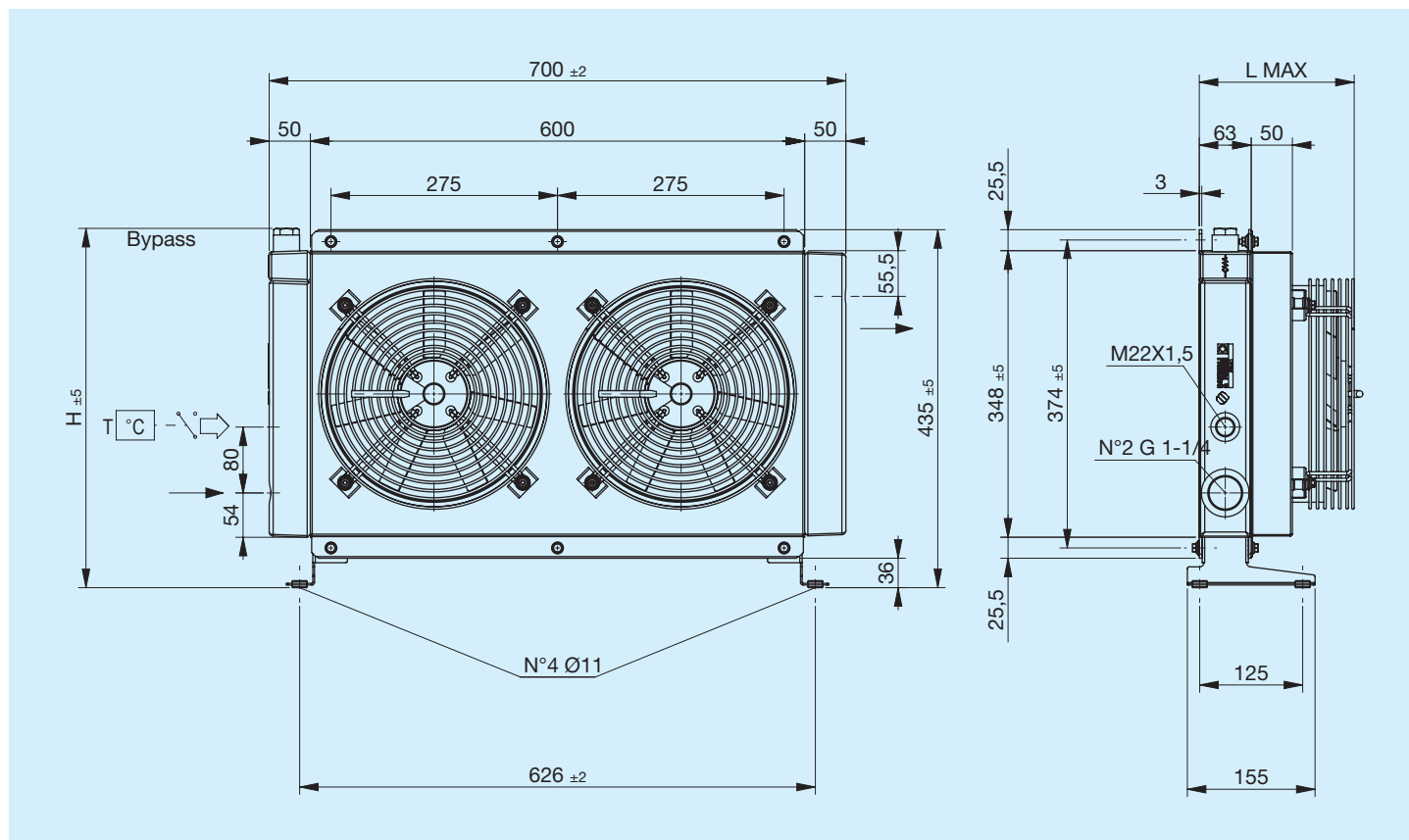


Bypass valves



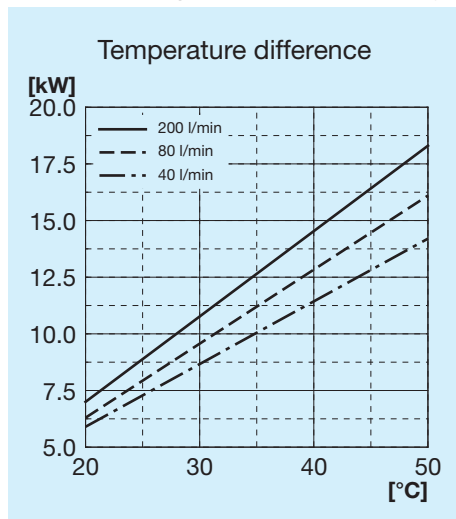
Legend

A22	Exchanger type
1E	1 Fan unit
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 60u00b0C
T15 VNR	Pressure bypass valve at 4.5 bar

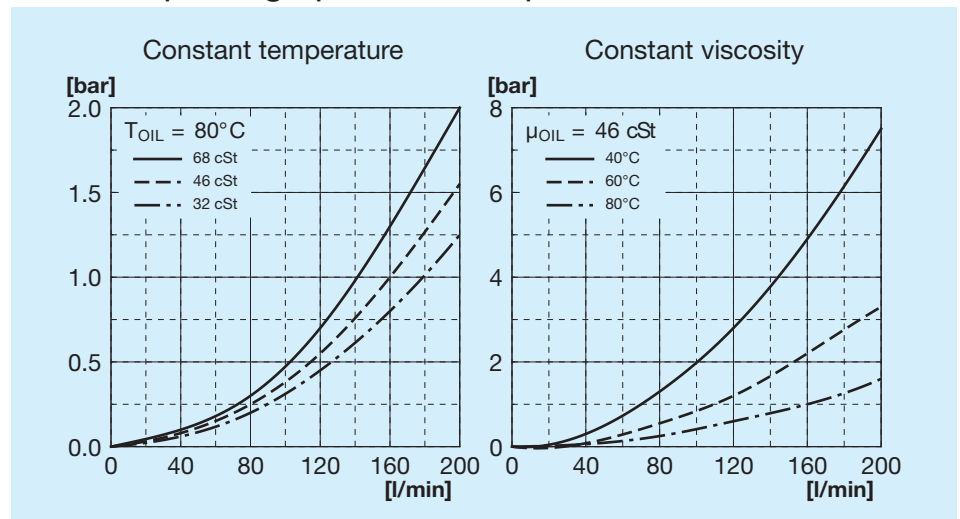


Code	Description	ΦFan mm	Power W	Frequen- cy Hz	Velocity min ⁻¹	IP Rating	L Max mm	H mm	Weight Kg	Capacity l
1770	A50 2EA 230V bypass T15 V.T. 3 bar 60°C	2x250	160	50 60	2500 2600	44	188	436	18	3.4
1771	A50 2ES 230V bypass T15 V.T. 3 bar 60°C	2x250	160	50 60	2500 2600	44	188	436	18	3.4
FR633101031	A50 2EA 230V bypass T15 VNR 4.5 bar	2x250	160	50 60	2500 2600	44	188	420	18	3.4
FR633101032	A50 2ES 230V bypass T15 VNR 4.5 bar	2x250	160	50 60	2500 2600	44	188	420	18	3.4
1774	A50 2EA 400V bypass T15 V.T. 3 bar 60°C	2x250	160	50 60	2450 2550	44	188	436	18	3.4
1775	A50 2ES 400V bypass T15 V.T. 3 bar 60°C	2x250	160	50 60	2450 2550	44	188	436	18	3.4
FR633101021	A50 2EA 400V bypass T15 VNR 4.5 bar	2x250	160	50 60	2450 2550	44	188	420	18	3.4
FR633101022	A50 2ES 400V bypass T15 VNR 4.5 bar	2x250	160	50 60	2450 2550	44	188	420	18	3.4
FR633100031	A50 2EA 230V	2x250	160	50 60	2500 2600	44	188	437	18	3.4
FR633100032	A50 2ES 230V	2x250	160	50 60	2500 2600	44	188	437	18	3.4
FR633100021	A50 2EA 400V	2x250	160	50 60	2450 2550	44	188	437	18	3.4
FR633100022	A50 2ES 400V	2x250	160	50 60	2450 2550	44	188	437	18	3.4

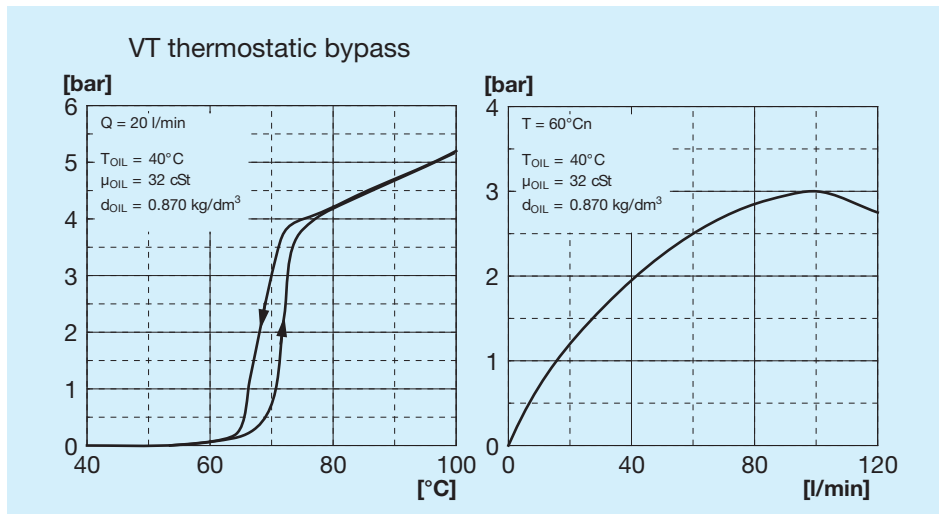
Heat exchange (thermal) capacity



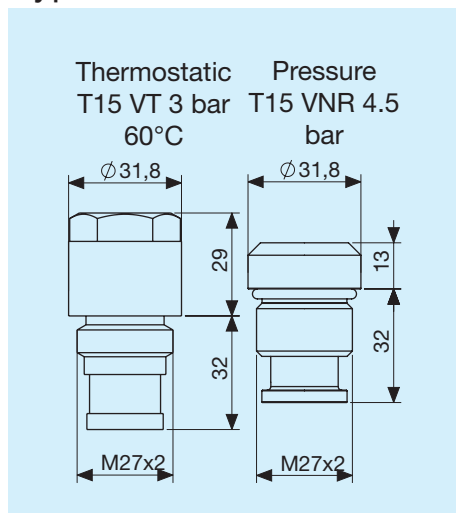
Radiator passage pressure drop



Bypass passage load loss

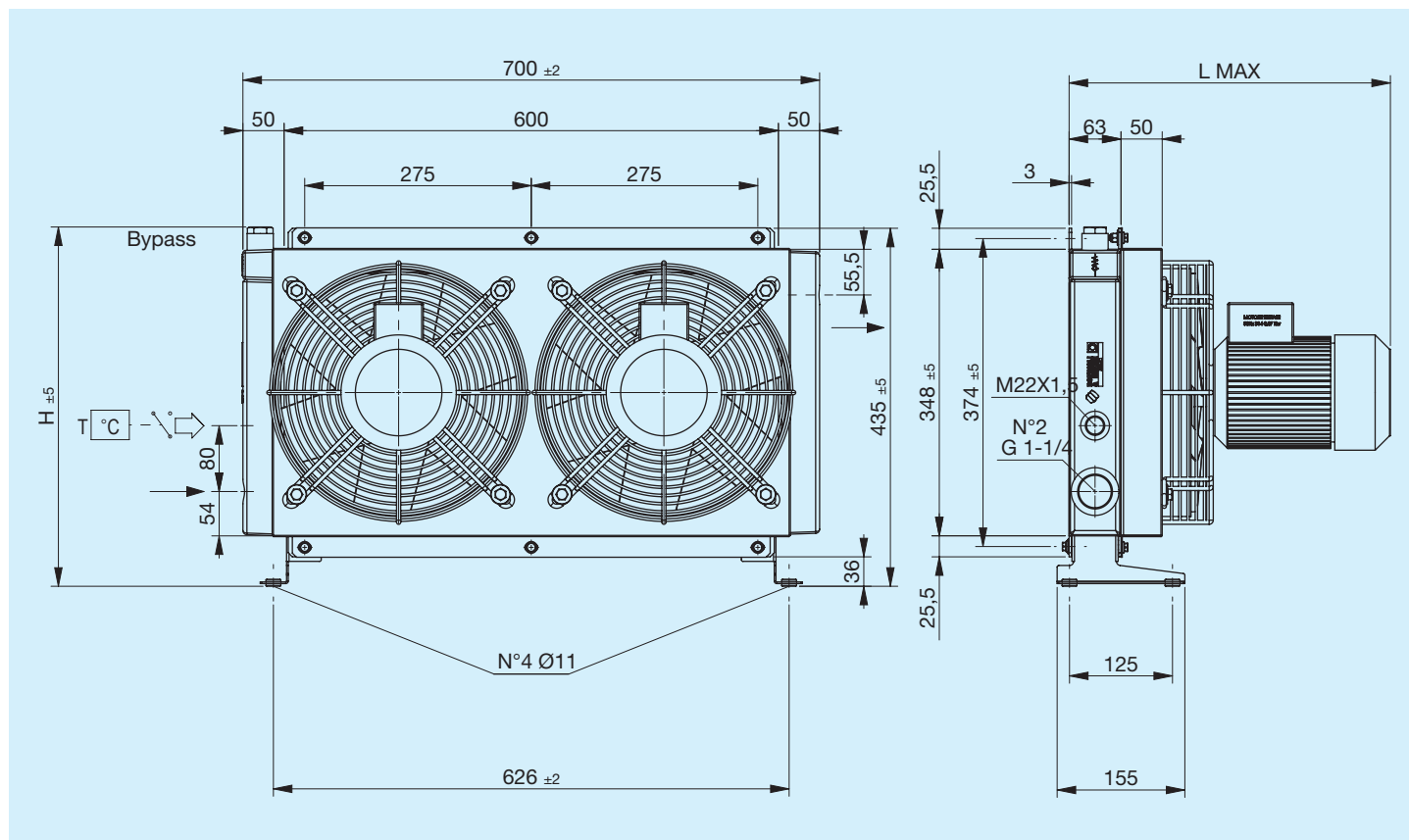


Bypass valves



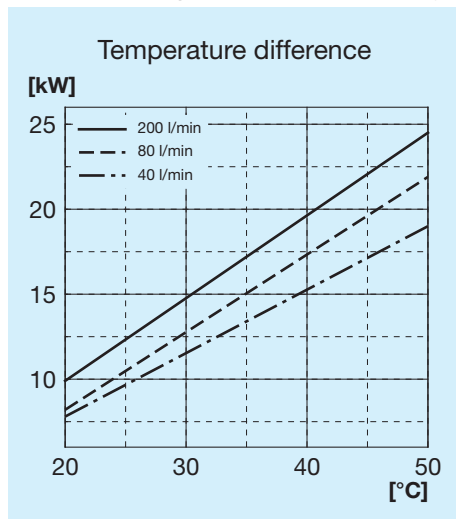
Legend

A22	Exchanger type
1E	1 Fan unit
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 60u00b0C
T15 VNR	Pressure bypass valve at 4.5 bar

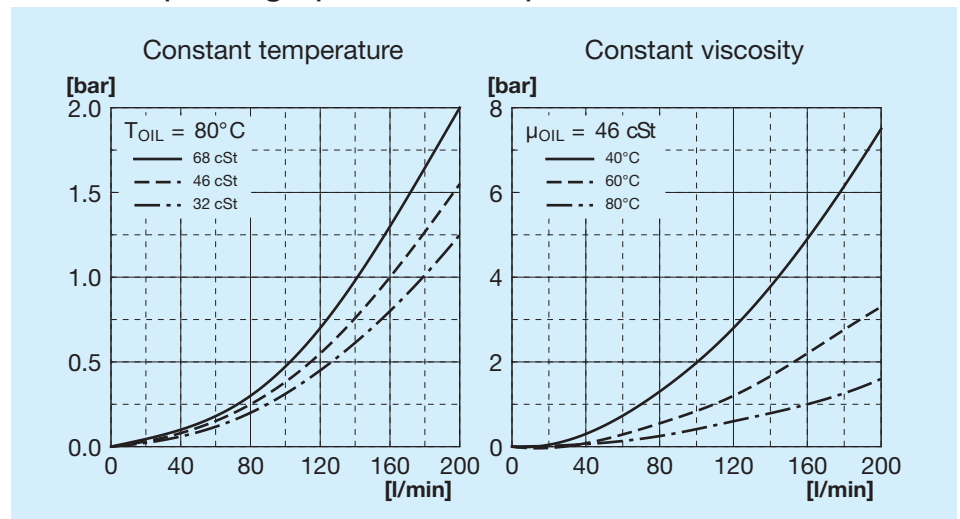


Code	Description	ΦFan mm	Power W	Frequen- cy Hz	Velocity min ⁻¹	IP Rating	L Max mm	H mm	Weight Kg	Capacity l
FR633103141	A50 2EA 220V-B14 bypass T15 V.T. 3 bar 60°C	2x290	370	50	2790	65	390	436	27	3.4
FR633103142	A50 2EA 220V-B14 bypass T15 V.T. 3 bar 60°C	2x290	370	50	2790	65	390	436	27	3.4
FR633101041	A50 2EA 220V-B14 bypass T15 VNR 4.5 bar	2x290	370	50	2790	65	390	420	27	3.4
FR633101042	A50 2EA 220V-B14 bypass T15 VNR 4.5 bar	2x290	370	50	2790	65	390	420	27	3.4
FR633103151	A50 2EA 380V-B14 bypass T15 V.T. 3 bar 60°C	2x290	370	50	2790	65	390	436	27	3.4
FR633103152	A50 2ES 380V-B14 bypass T15 V.T. 3 bar 60°C	2x290	370	50	2790	65	390	436	27	3.4
FR633101051	A50 2EA 380V-B14 bypass T15 VNR 4.5 bar	2x290	370	50	2790	65	390	420	27	3.4
FR633101052	A50 2ES 380V-B14 bypass T15 VNR 4.5 bar	2x290	370	50	2790	65	390	420	27	3.4
FR633100041	A50 2EA 220V-B14	2x290	370	50	2790	65	390	437	27	3.4
FR633100042	A50 2ES 220V-B14	2x290	370	50	2790	65	390	437	27	3.4
FR633100051	A50 2EA 380V-B14	2x290	370	50	2790	65	390	437	27	3.4
FR633100052	A50 2ES 380V-B14	2x290	370	50	2790	65	390	437	27	3.4

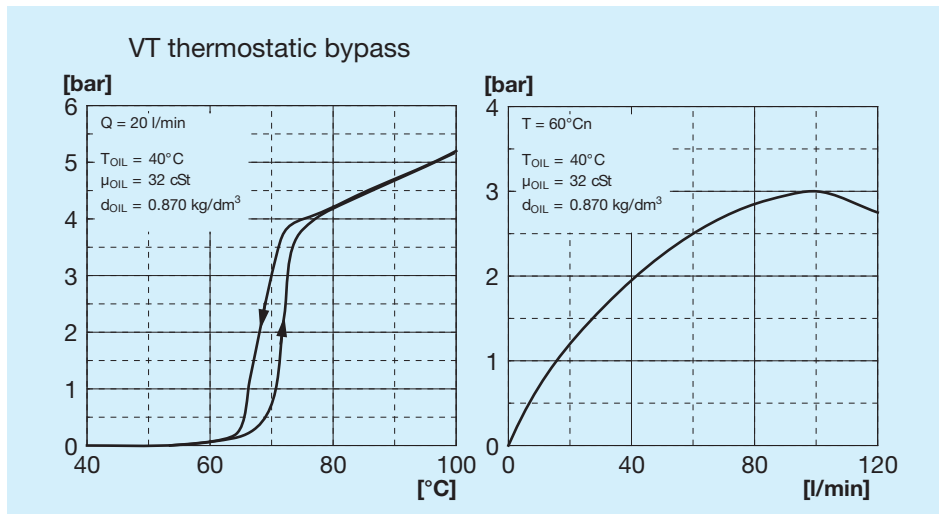
Heat exchange (thermal) capacity



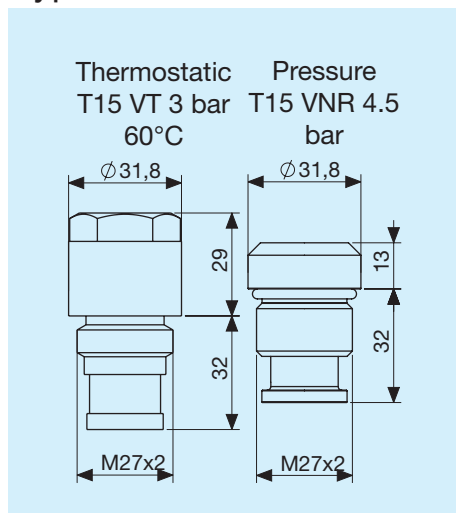
Radiator passage pressure drop



Bypass passage load loss

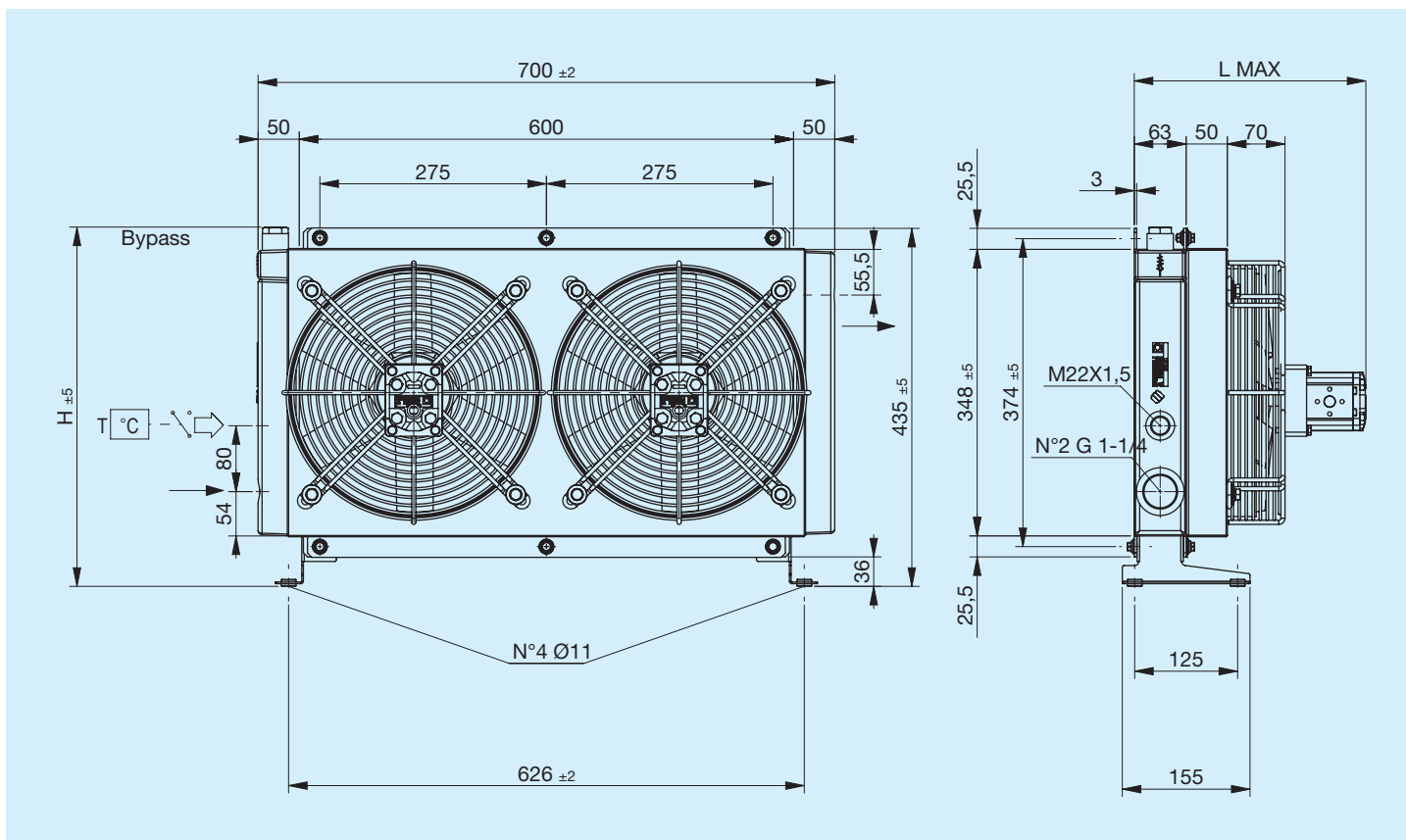


Bypass valves



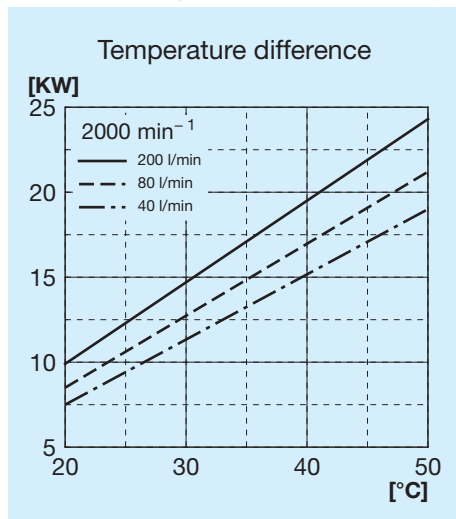
Legend

A22	Exchanger type
1E	1 Fan unit
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 60u00b0C
T15 VNR	Pressure bypass valve at 4.5 bar

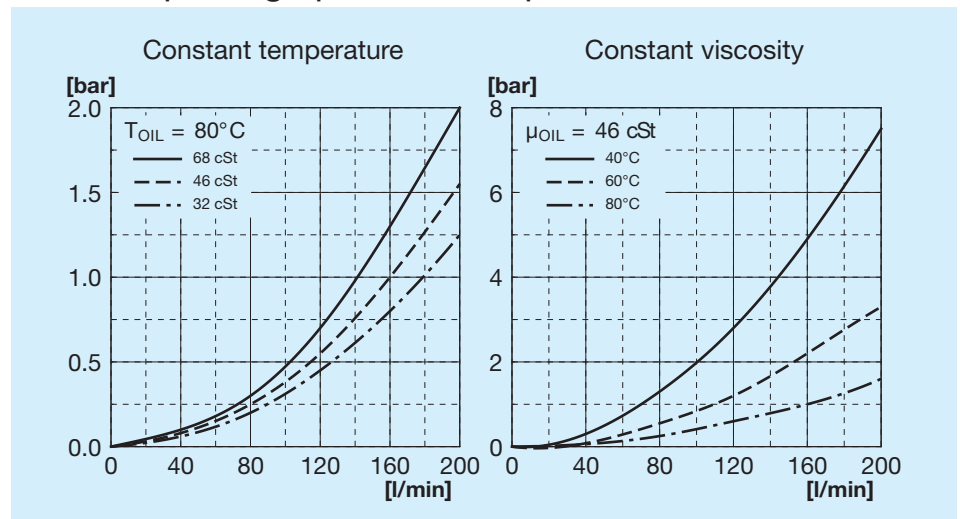


Code	Description	Φ Fan	Displacement motors cm ³ /h	L Max	H	Weight	Capacity
		mm		mm	mm	Kg	l
FR634103113	A50 IA HYDR.MOT. GR1 bypass T15 V.T. 3 bar 60°C	2x290	6	285	436	21	3.4
FR634103114	A50 IS HYDR.MOT. GR1 bypass T15 V.T. 3 bar 60°C	2x290	6	285	436	21	3.4
FR634101013	A50 IA HYDR.MOT. GR1 bypass T15 VNR 4.5 bar	2x290	6	285	420	21	3.4
FR634101014	A50 IS HYDR.MOT. GR1 bypass T15 VNR 4.5 bar	2x290	6	285	420	21	3.4
FR634100013	A50 IA HYDR.MOT. GR1	2x290	6	285	437	21	3.4
FR634100014	A50 IS HYDR.MOT. GR1	2x290	6	285	437	21	3.4

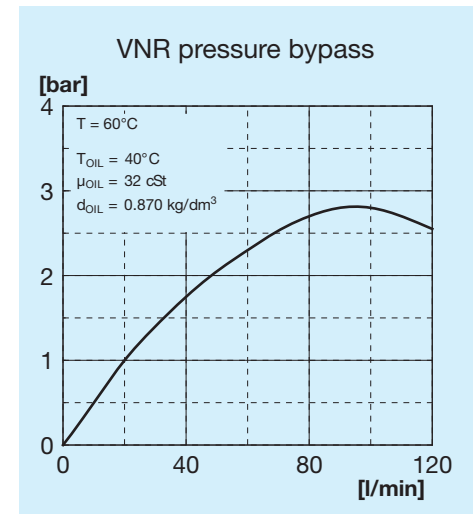
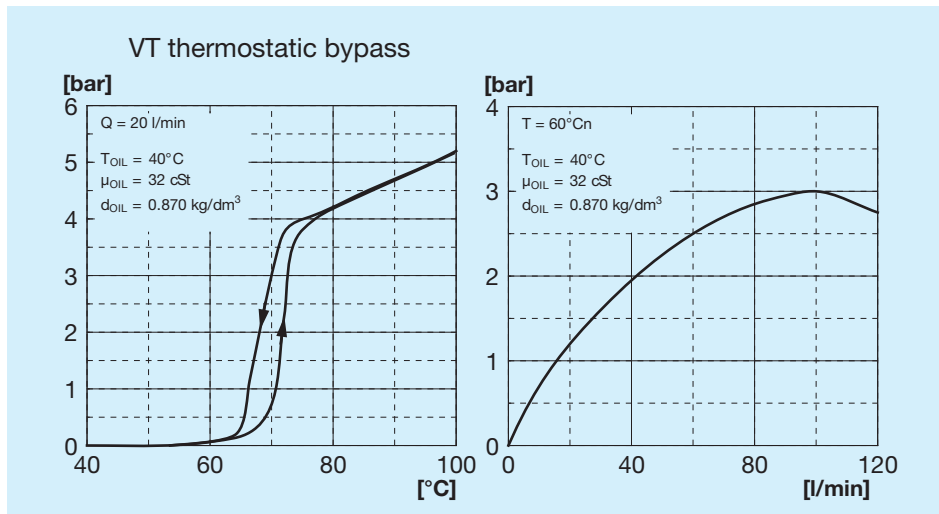
Heat exchange (thermal) capacity



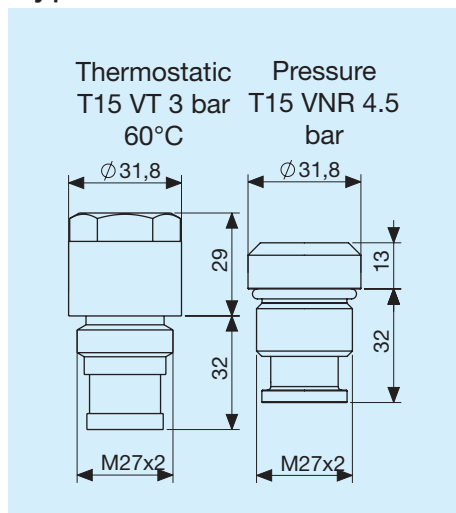
Radiator passage pressure drop



Bypass passage load loss



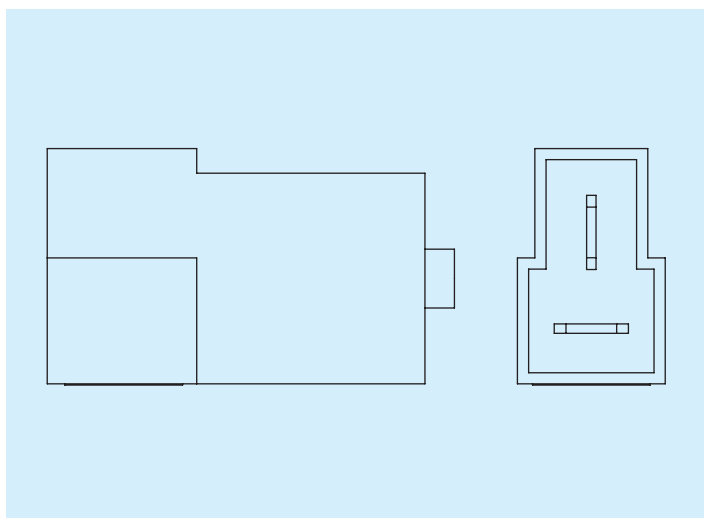
Bypass valves



Legend

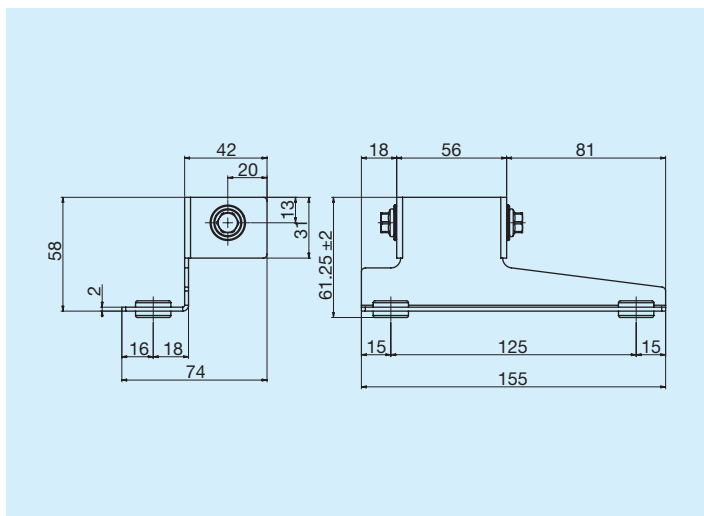
A22	Exchanger type
1E	1 Fan unit
AP	High power aspirating
SP	High power blower
AX	Extra high power aspirating
SX	Extra high power blower
12V	Fan unit voltage
24V	Fan unit voltage
T15 VT	Thermostatic bypass valve 3 bar 60u00b0C
T15 VNR	Pressure bypass valve at 4.5 bar

Connector

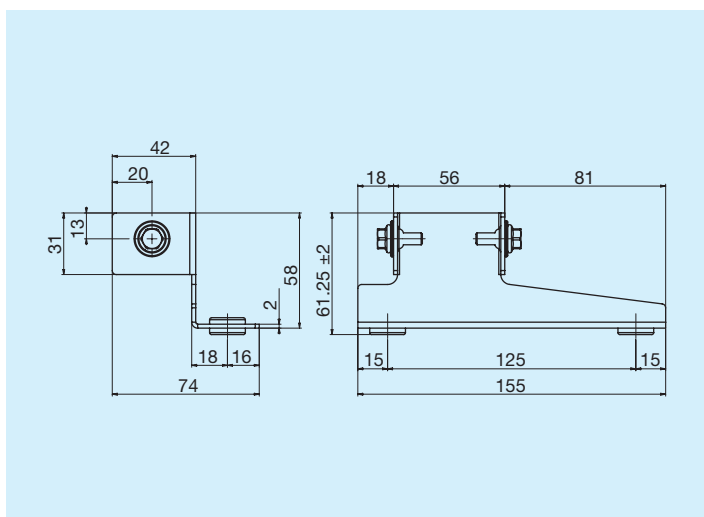


	Code
AMP connector	180908

Left supporting foot

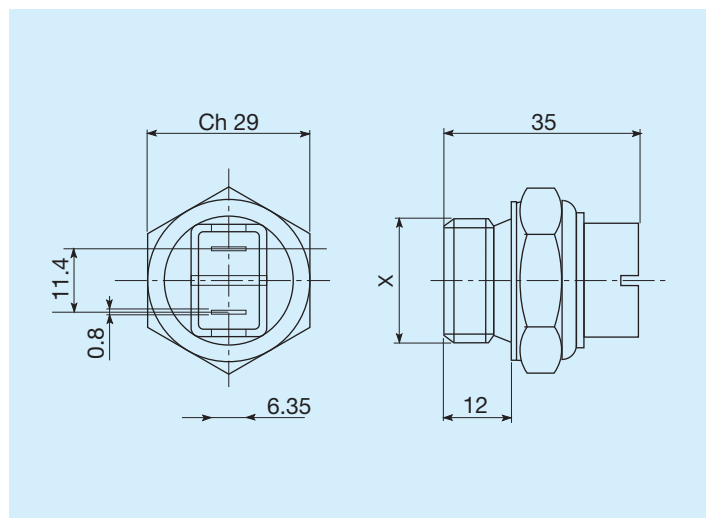


	Code
Left supporting foot	FR290000011



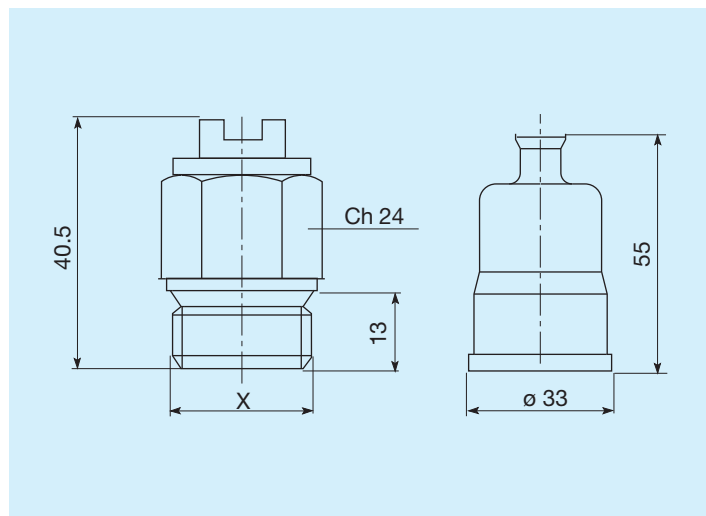
	Code
Right supporting foot	FR290000012

Thermostats



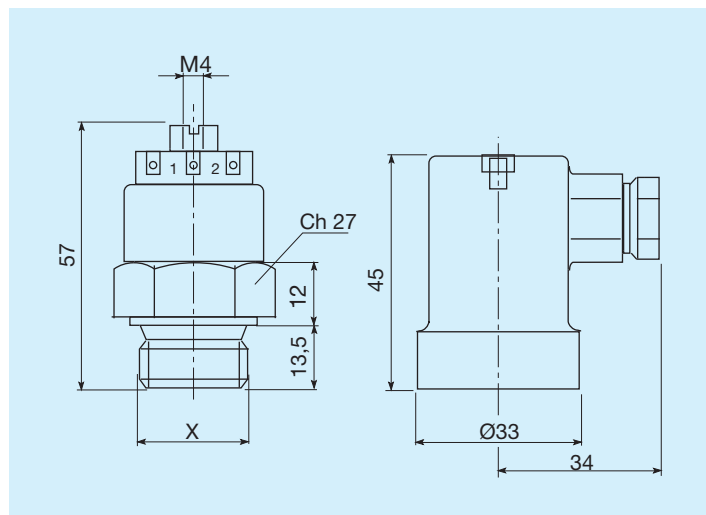
Trigger temperature °C		Code
45 - 35	M22x1.5	FR 361104535
60 - 50	M22x1.5	FR 361106050
80 - 70	M22x1.5	FR 361108070
82 - 68	M22x1.5	FR 361108268
85 - 76	M22x1.5	FR 361108576

IP54 protected thermal switch



Trigger temperature °C		Code
45 - 35	M22x1.5	FR 361124535
50 - 40	M22x1.5	FR 361125040
60 - 50	M22x1.5	FR 361126050
70 - 60	M22x1.5	FR 361127060
80 - 70	M22x1.5	FR 361128070

IP65 protected thermal switch



Trigger temperature °C		Code
45 - 35	M22x1.5	FR 361154535
47 - 36	M22x1.5	FR 361155040
60 - 50	M22x1.5	FR 361156050
80 - 70	M22x1.5	FR 361158070