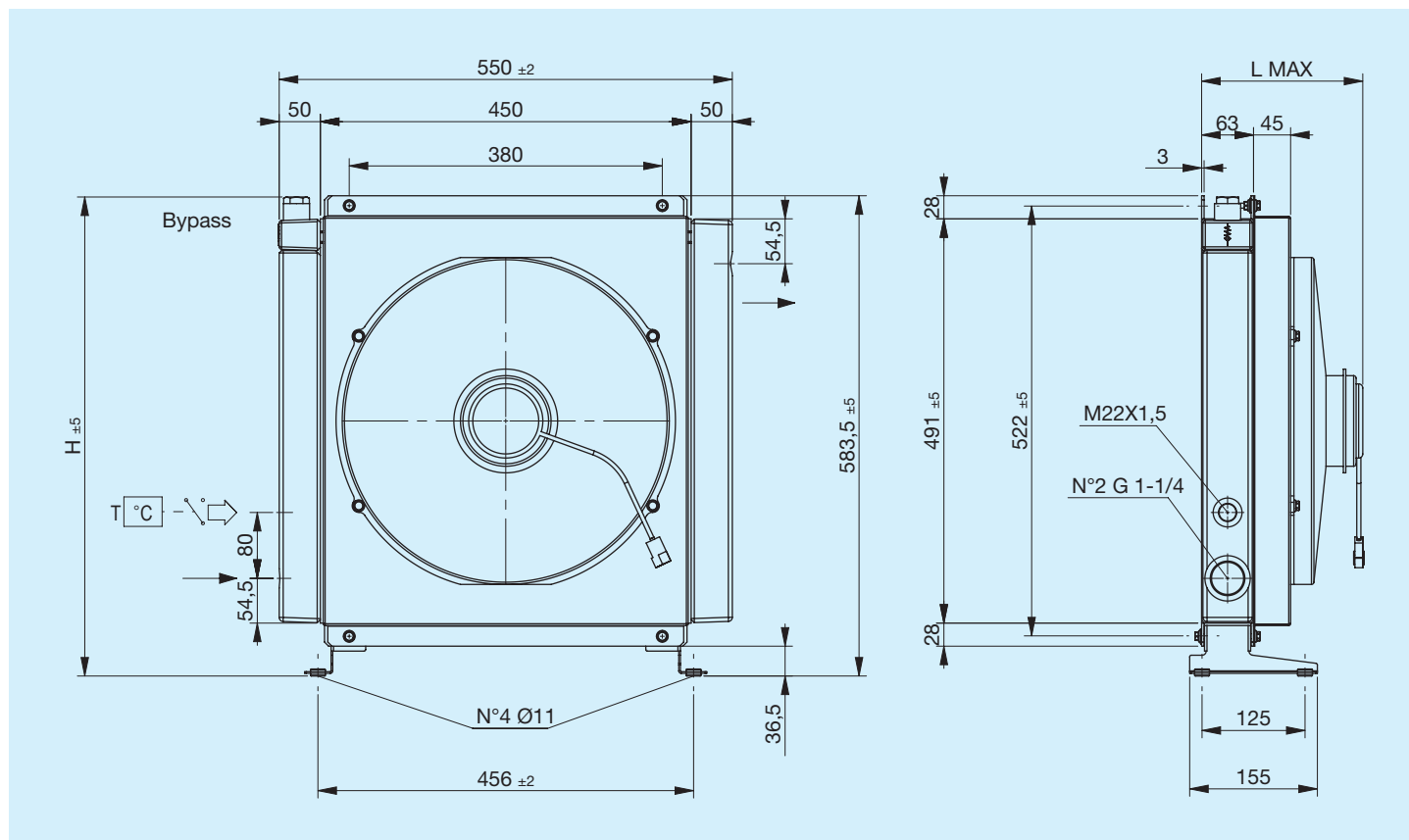


A60

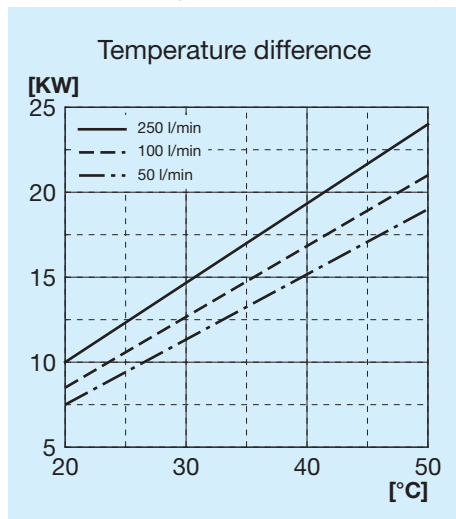


Before using the heat exchanger, carefully read the document entitled GENERAL OPERATING INSTRUCTIONS FOR HEAT EXCHANGER USE

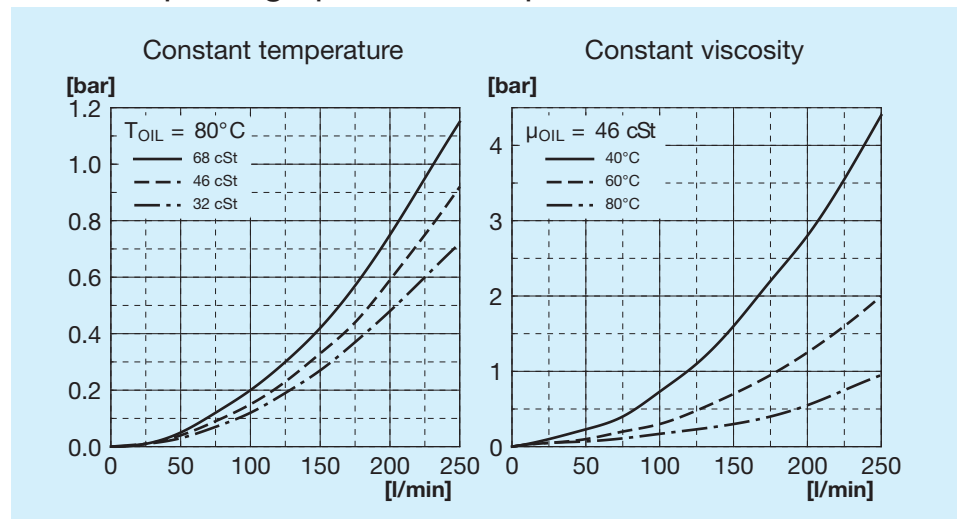


Code	Description	Ø Fan mm	Air flow m³/h	Voltage V	Amperage A	L Max mm	H mm	Weight Kg	Capacity l
FR633093101	A60 1EAX 12V bypass T15 V.T. 3 bar 60°C	385	4000	12	22	200	582	18	5.7
FR633093102	A60 1ESX 12V bypass T15 V.T. 3 bar 60°C	385	4000	12	22	200	582	18	5.7
FR633091001	A60 1EAX 12V bypass T15 VNR 4.5 bar	385	4000	12	22	200	566	18	5.7
FR633091002	A60 1ESX 12V bypass T15 VNR 4.5 bar	385	4000	12	22	200	566	18	5.7
FR633093113	A60 1EAX 24V bypass T15 V.T. 3 bar 60°C	385	4000	24	11	200	582	18	5.7
FR633093114	A60 1ESX 24V bypass T15 V.T. 3 bar 60°C	385	4000	24	11	200	582	18	5.7
FR633091013	A60 1EAX 24V bypass T15 VNR 4.5 bar	385	4000	24	11	200	566	18	5.7
FR633091014	A60 1ESX 24V bypass T15 VNR 4.5 bar	385	4000	24	11	200	566	18	5.7
FR633090001	A60 1EAX 12V	385	4000	12	22	200	585	18	5.7
FR633090002	A60 1ESX 12V	385	4000	12	22	200	585	18	5.7
FR633090013	A60 1EAX 24V	385	4000	24	11	200	585	18	5.7
FR633090014	A60 1ESX 24V	385	4000	24	11	200	585	18	5.7

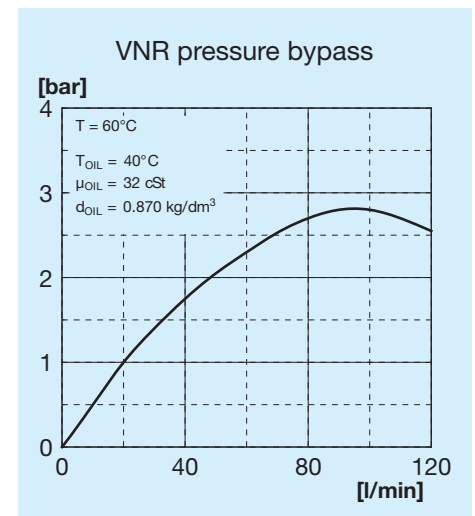
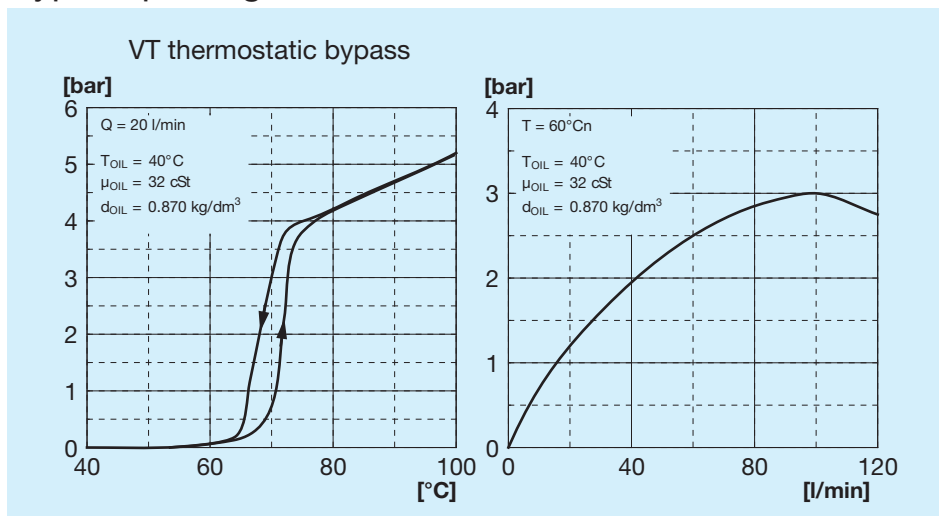
Heat exchange (thermal) capacity



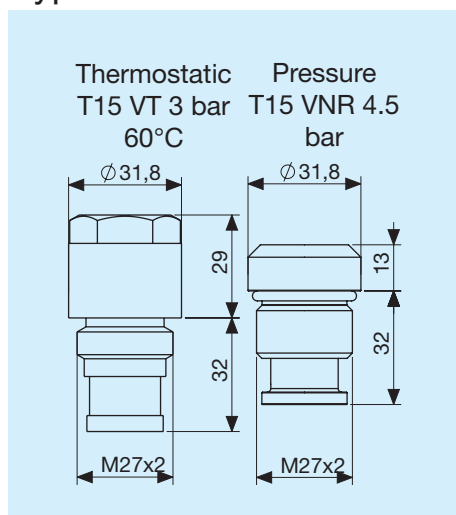
Radiator passage pressure drop



Bypass passage load loss

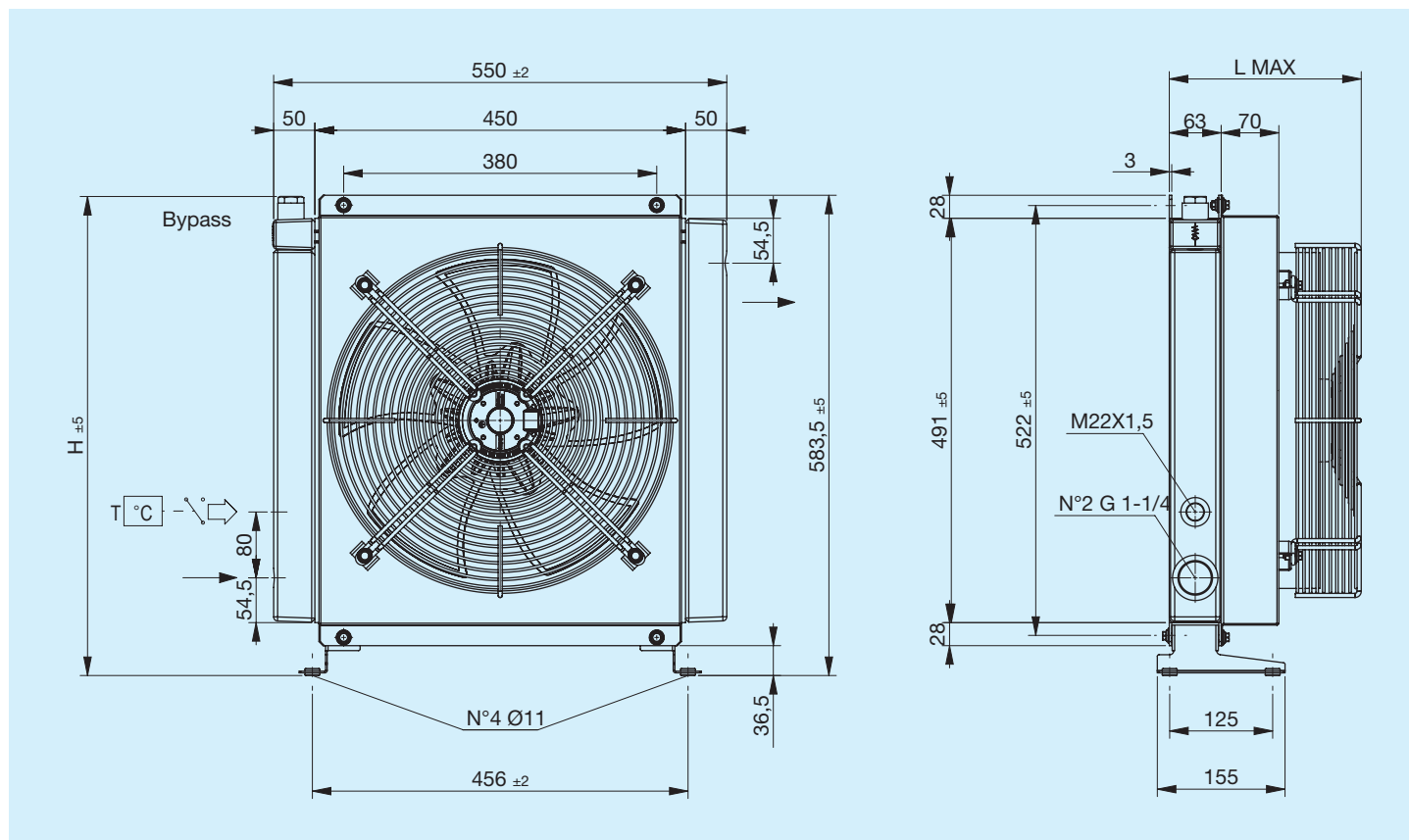


Bypass valves



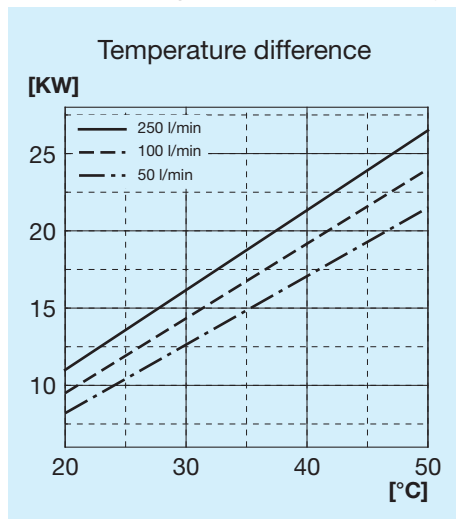
Legend

A56	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

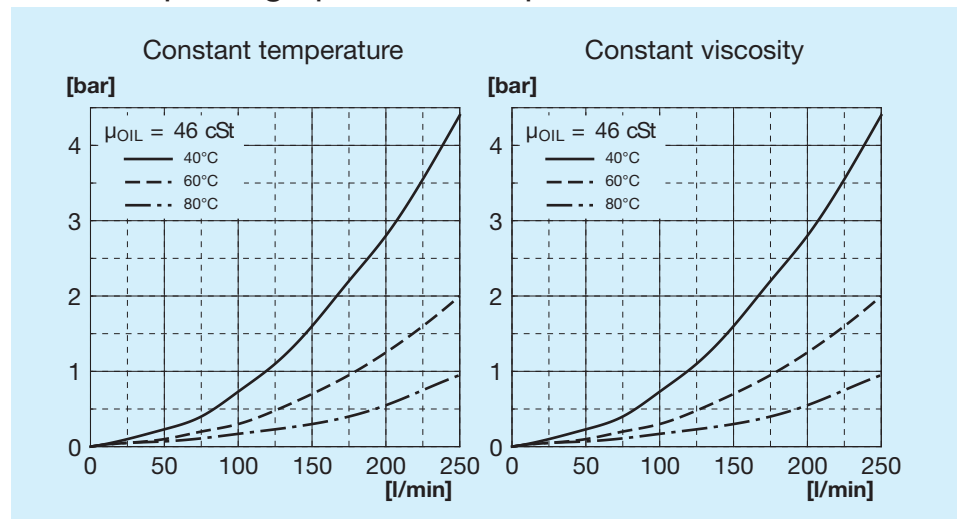


Code	Description	Ø Fan mm	Power W	Frequen- cy Hz	Velocity min ⁻¹	IP Rating	L Max mm	H mm	Weight Kg	Capacity l
FR633093131	A60 1EA 230V bypass T15 V.T. 3 bar 60°C	400	240	50 60	1430 1700	44	238	582	17.9	5.7
FR633093132	A60 1ES 230V bypass T15 V.T. 3 bar 60°C	400	240	50 60	1430 1700	44	238	582	17.9	5.7
FR633091031	A60 1EA 230V bypass T15 VNR 4.5 bar	400	240	50 60	1430 1700	44	238	566	17.9	5.7
FR633091032	A60 1ES 230V bypass T15 VNR 4.5 bar	400	240	50 60	1430 1700	44	238	566	17.9	5.7
FR633093121	A60 1EA 400V bypass T15 V.T. 3 bar 60°C	400	240	50 60	1450 1690	44	238	582	17.9	5.7
FR633093122	A60 1ES 400V bypass T15 V.T. 3 bar 60°C	400	240	50 60	1450 1690	44	238	582	17.9	5.7
FR633091021	A60 1EA 400V bypass T15 VNR 4.5 bar	400	240	50 60	1450 1690	44	238	566	17.9	5.7
FR633091022	A60 1ES 400V bypass T15 VNR 4.5 bar	400	240	50 60	1450 1690	44	238	566	17.9	5.7
FR633090031	A60 1EA 230V	400	240	50 60	1430 1700	44	238	585	17.9	5.7
FR633090032	A60 1ES 230V	400	240	50 60	1430 1700	44	238	585	17.9	5.7
FR633090021	A60 1EA 400V	400	240	50 60	1450 1690	44	238	585	17.9	5.7
FR633090022	A60 1ES 400V	400	240	50 60	1450 1690	44	238	585	17.9	5.7

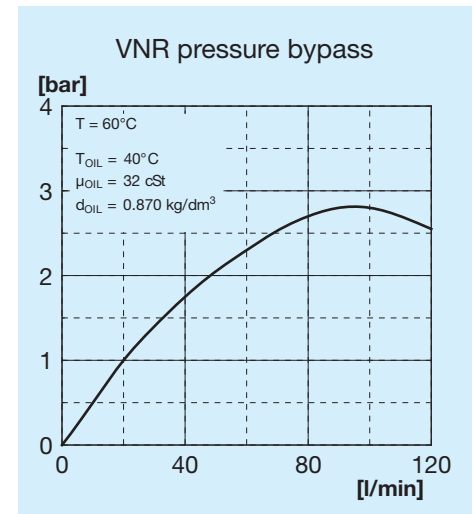
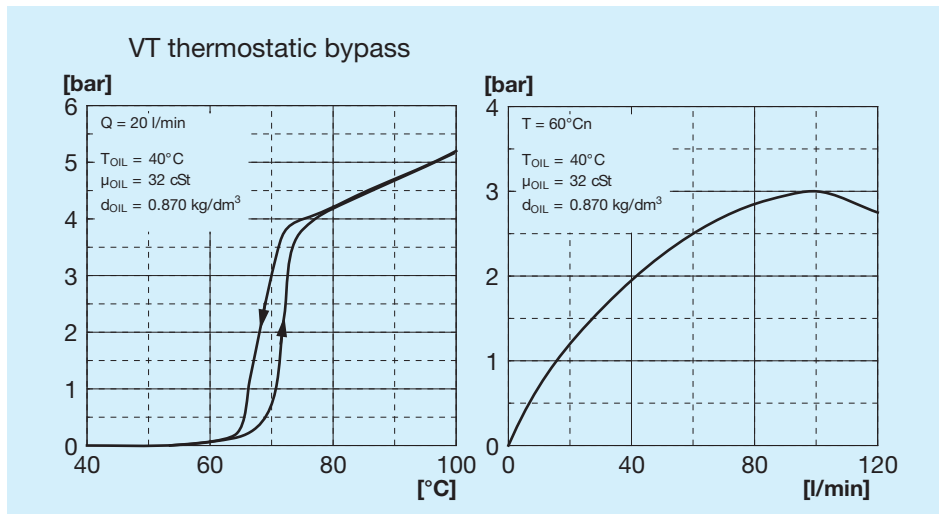
Heat exchange (thermal) capacity



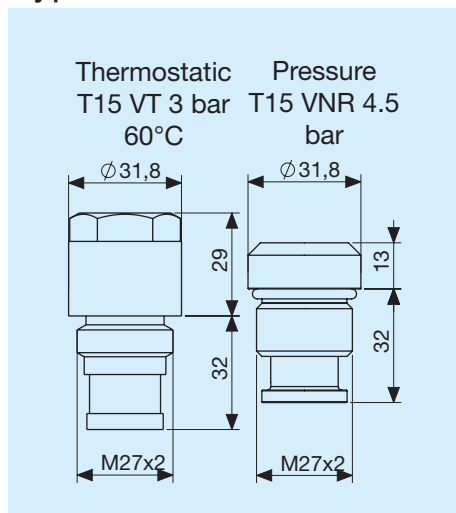
Radiator passage pressure drop



Bypass passage load loss

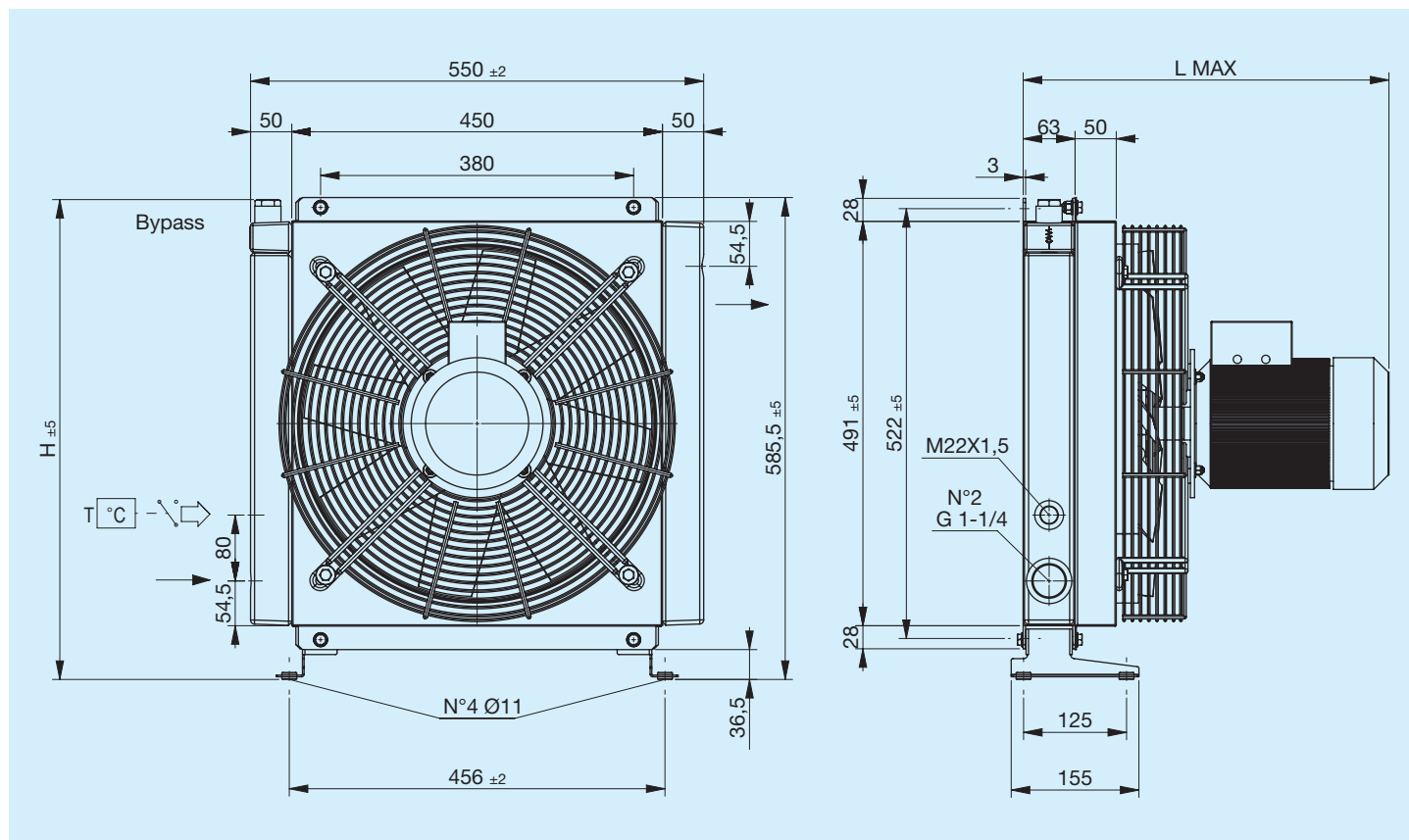


Bypass valves



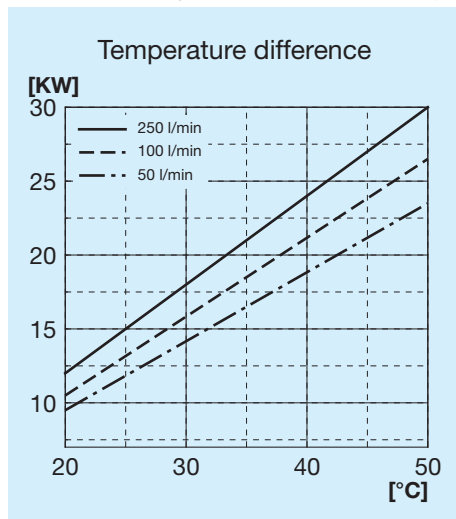
Legend

A56	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

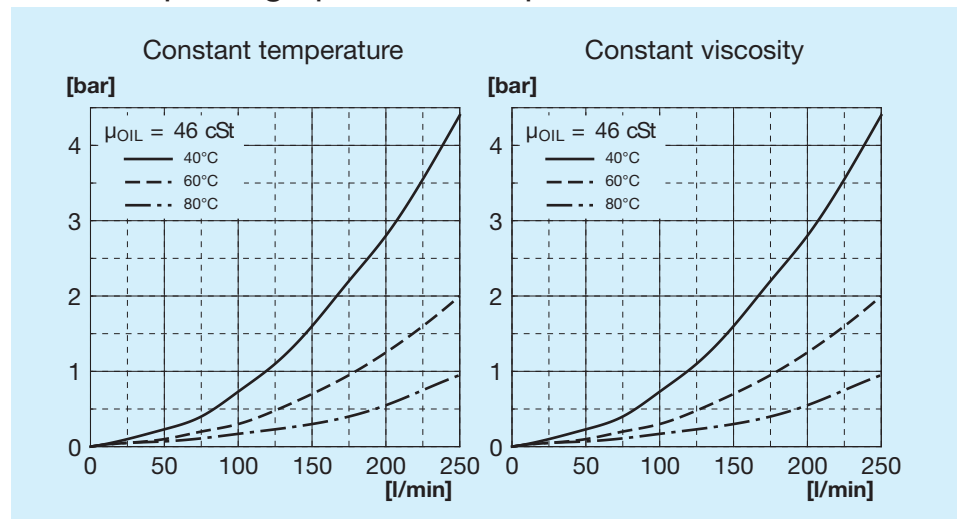


Code	Description	Ø Fan mm	Power W	Frequen- cy Hz	Velocity min ⁻¹	IP Rating	L Max mm	H mm	Weight Kg	Capacity l
FR633093141	A60 1EA 220V-B14 bypass T15 V.T. 3 bar 60°C	420	750	50	1390	65	444	582	26.4	5.7
FR633091041	A60 1EA 220V-B14 bypass T15 VNR 4.5 bar	420	750	50	1390	65	444	566	26.4	5.7
FR633093151	A60 1EA 380V-B14 bypass T15 V.T. 3 bar 60°C	420	750	50	1390	65	444	582	26.4	5.7
FR633093152	A60 1ES 380V-B14 bypass T15 V.T. 3 bar 60°C	420	750	50	1390	65	444	582	26.4	5.7
FR633091051	A60 1EA 380V-B14 bypass T15 VNR 4.5 bar	420	750	50	1390	65	444	566	26.4	5.7
FR633091052	A60 1ES 380V-B14 bypass T15 VNR 4.5 bar	420	750	50	1390	65	444	566	26.4	5.7
FR633090041	A60 1EA 220V-B14	420	750	50	1390	65	444	585	26.4	5.7
FR633090042	A60 1ES 220V-B14	420	750	50	1390	65	444	585	26.4	5.7
FR633090051	A60 1EA 380V-B14	420	750	50	1390	65	444	585	26.4	5.7
FR633090052	A60 1ES 380V-B14	420	750	50	1390	65	444	585	26.4	5.7

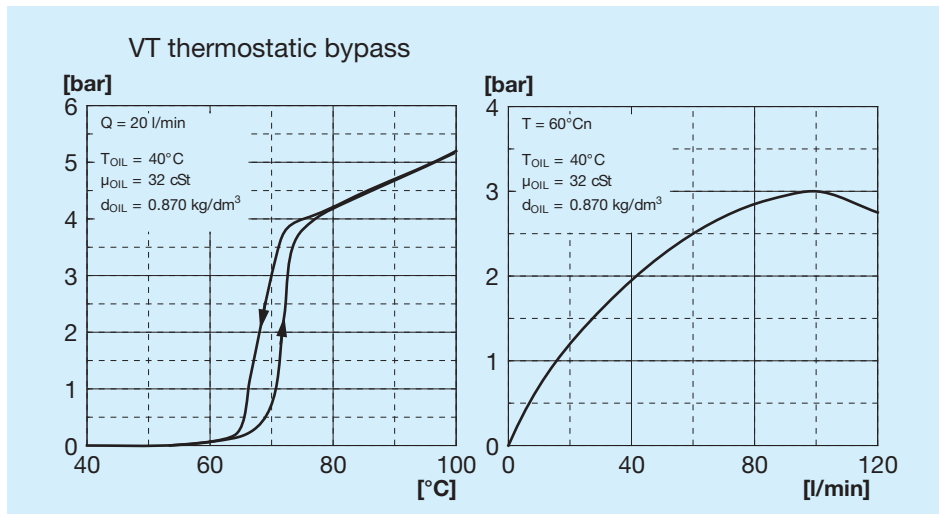
Heat exchange (thermal) capacity



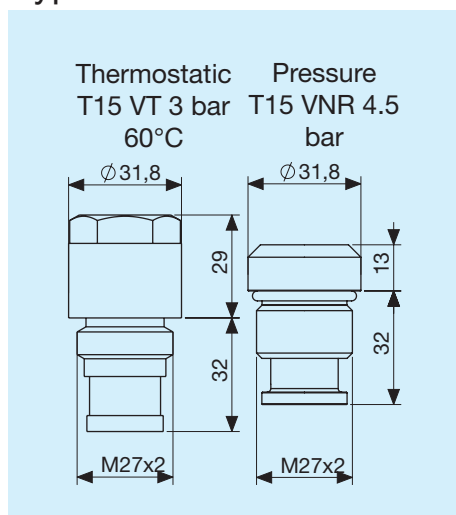
Radiator passage pressure drop



Bypass passage load loss

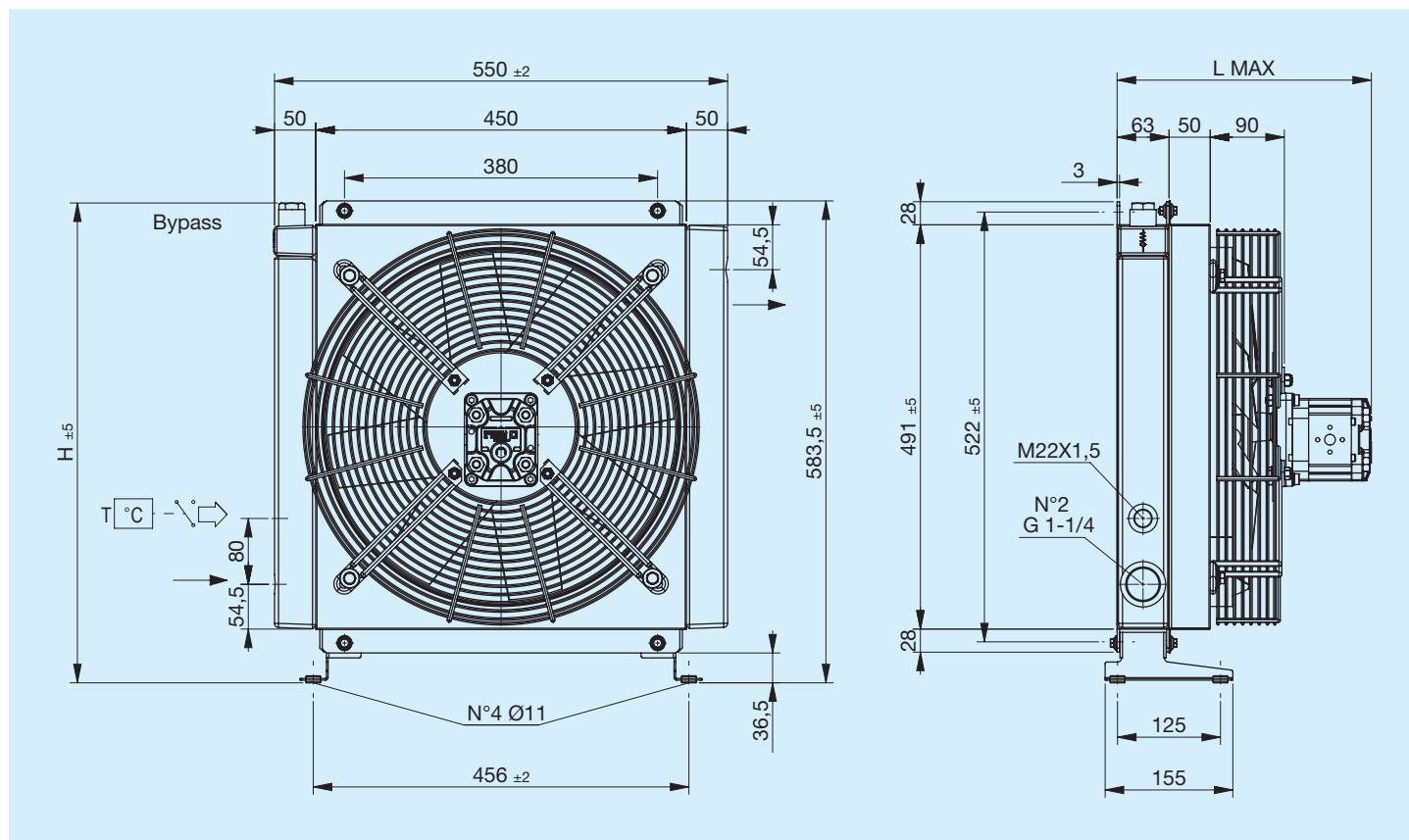


Bypass valves



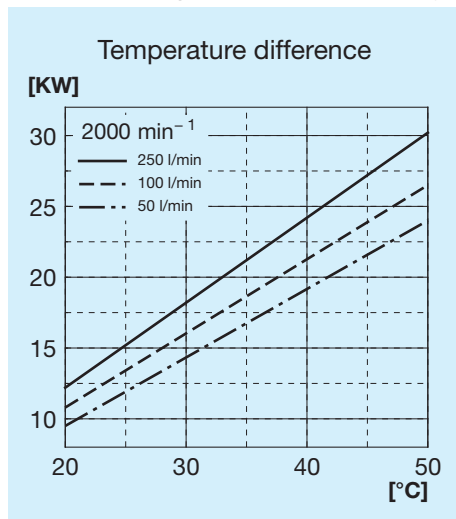
Legend

A56	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

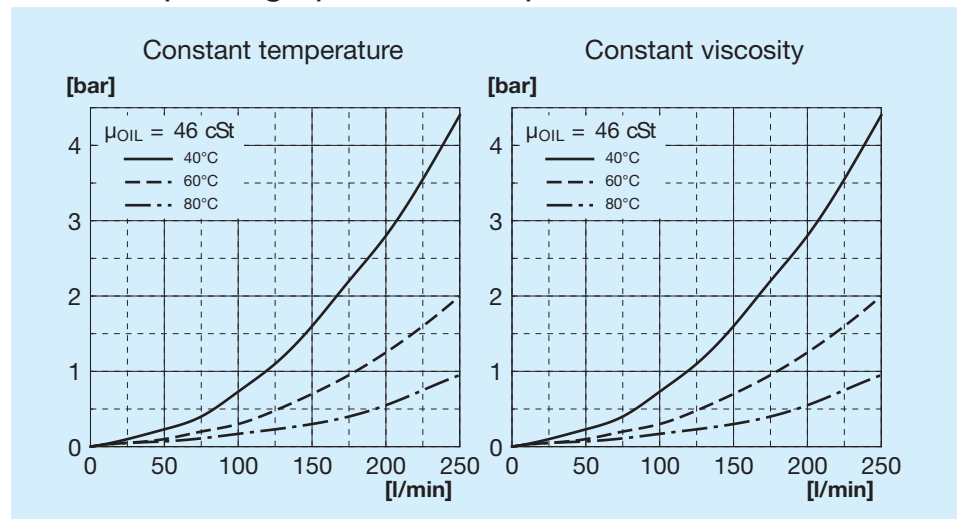


Code	Description	Ø Fan mm	Displacement motors cm ³ /h	L Max mm	H mm	Weight Kg	Capacity l
FR634093111	A60 IA SETT.GR2 bypass T15 V.T. 3 bar 60°C	420	—	250	583	20	5.7
FR634093112	A60 IS SETT.GR2 bypass T15 V.T. 3 bar 60°C	420	—	250	583	20	5.7
FR634091011	A60 IA SETT.GR2 bypass T15 VNR 4.5 bar	420	—	250	567	20	5.7
FR634091012	A60 IS SETT.GR2 bypass T15 VNR 4.5 bar	420	—	250	567	20	5.7
FR634093113	A60 IA HYDR.MOT. GR2 bypass T15 V.T. 3 bar 60°C	420	6	310	583	21	5.7
FR634093114	A60 IS HYDR.MOT. GR2 bypass T15 V.T. 3 bar 60°C	420	6	310	583	21	5.7
FR634091013	A60 IA HYDR.MOT. GR2 bypass T15 VNR 4.5 bar	420	6	310	567	21	5.7
FR634091014	A60 IS HYDR.MOT. GR2 bypass T15 VNR 4.5 bar	420	6	310	567	21	5.7
FR634090011	A60 IA SETT.GR2	420	—	250	585	20	5.7
FR634090012	A60 IS SETT.GR2	420	—	250	585	20	5.7
FR634090013	A60 IA HYDR.MOT. GR2	420	6	310	585	21	5.7
FR634090014	A60 IS HYDR.MOT. GR2	420	6	310	585	21	5.7

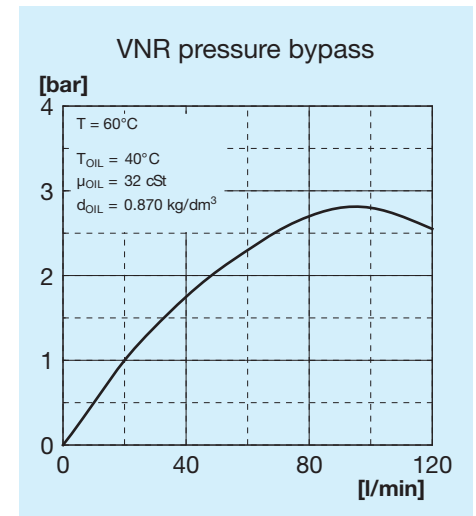
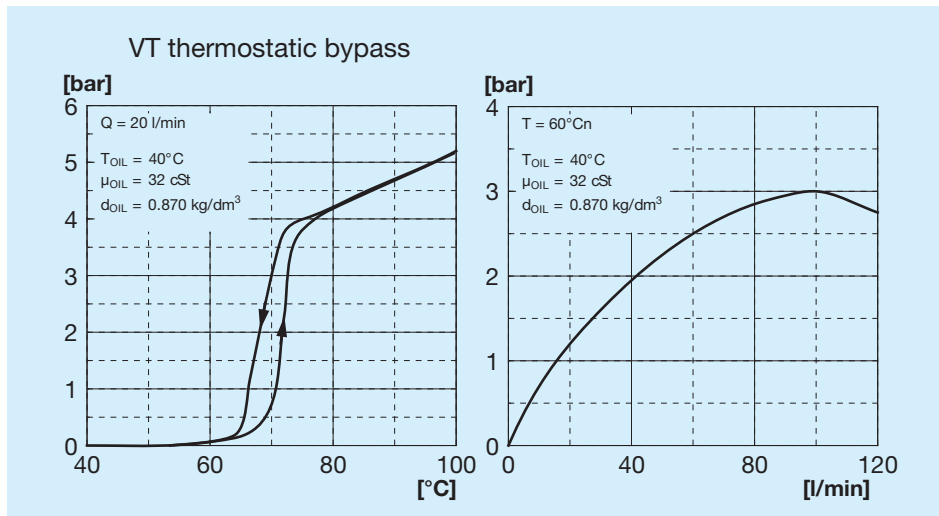
Heat exchange (thermal) capacity



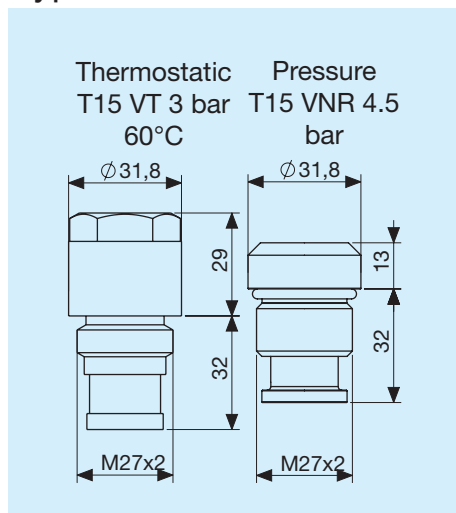
Radiator passage pressure drop



Bypass passage load loss



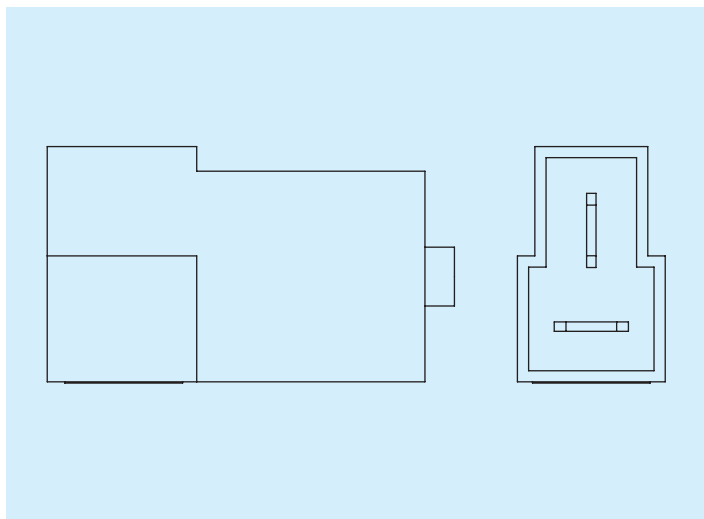
Bypass valves



Legend

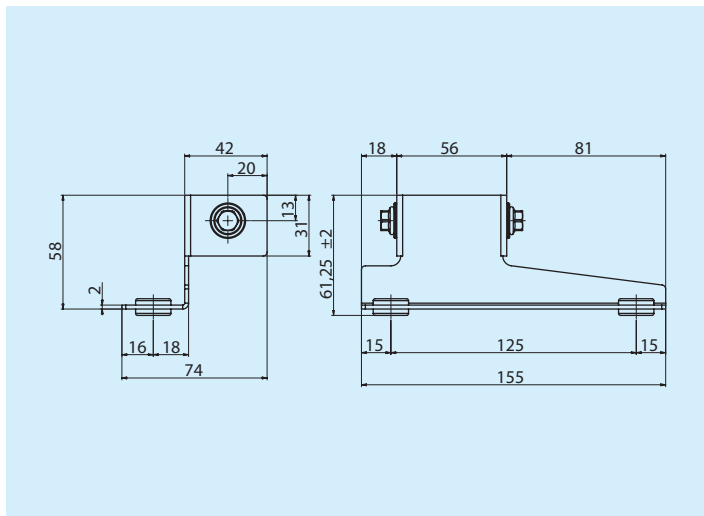
A56	Exchanger type
1E	1 Fan unit
AP	High power aspirating
SP	High power blower
AX	Extra high power aspirating
SX	Extra high power blower
12V	Fan unit voltage
24V	Fan unit voltage
T15 VT	Thermostatic bypass valve 3 bar 60u00b0C
T15 VNR	Pressure bypass valve at 4.5 bar

Connector

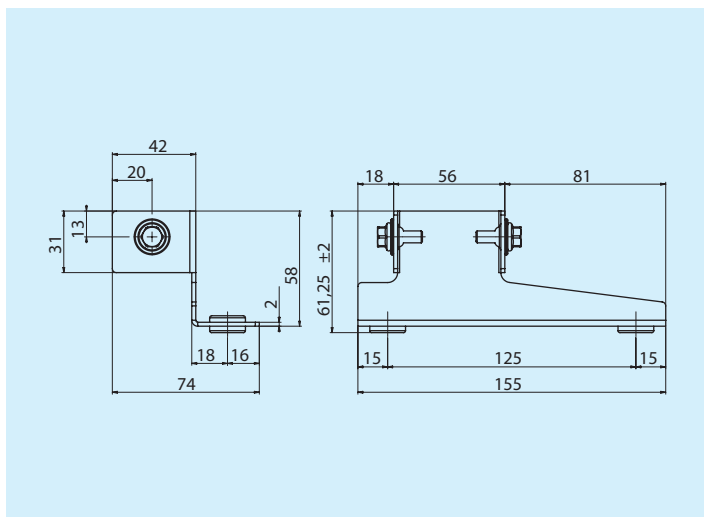


	Code
AMP connector	180908

Left supporting foot

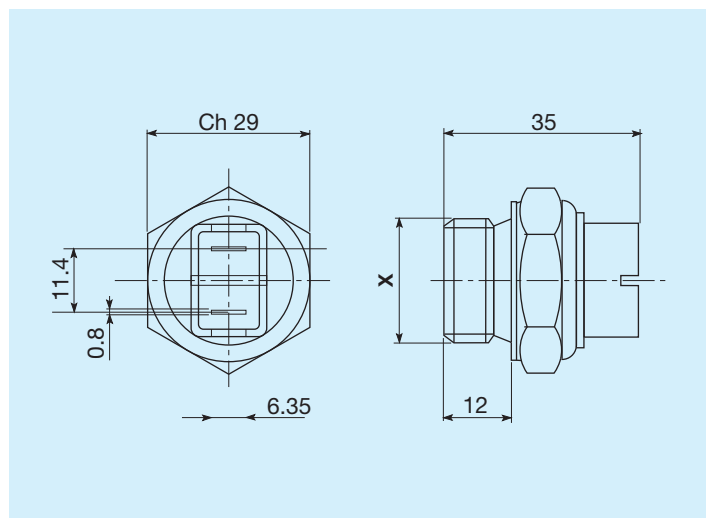


	Code
Left supporting foot	FR290000011



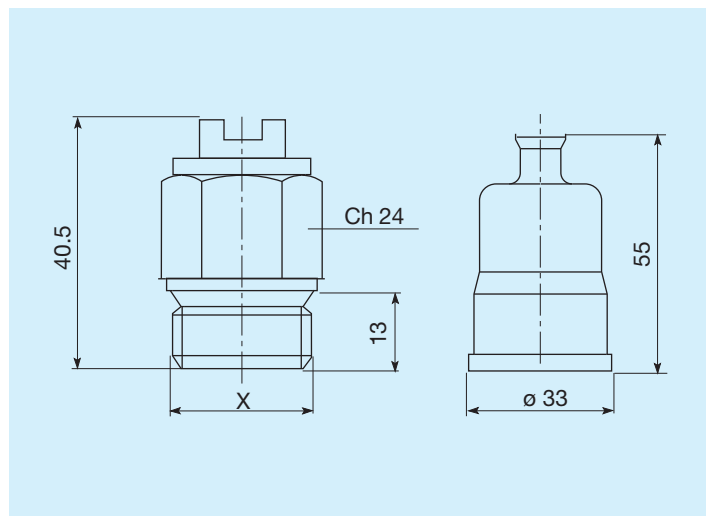
	Code
Right supporting foot	FR290000012

Thermostats



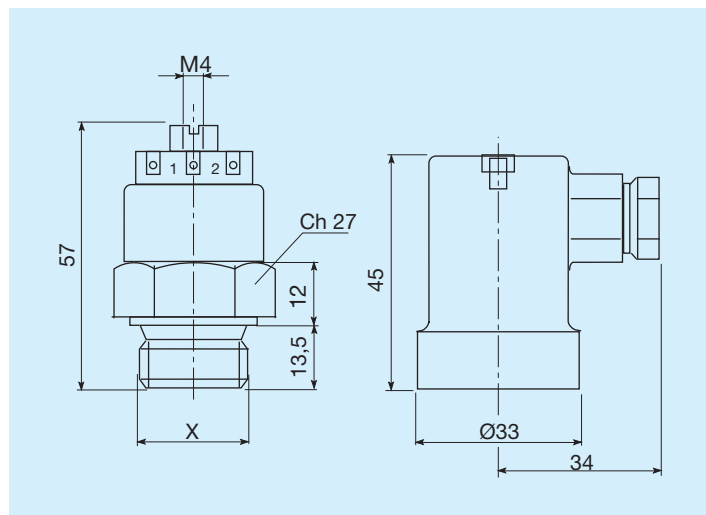
Trigger temperature °C		Code
45 - 35	M22x1.5	FR 361104535
60 - 50	M22x1.5	FR 361106050
80 - 70	M22x1.5	FR 361108070
82 - 68	M22x1.5	FR 361108268
85 - 76	M22x1.5	FR 361108576

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