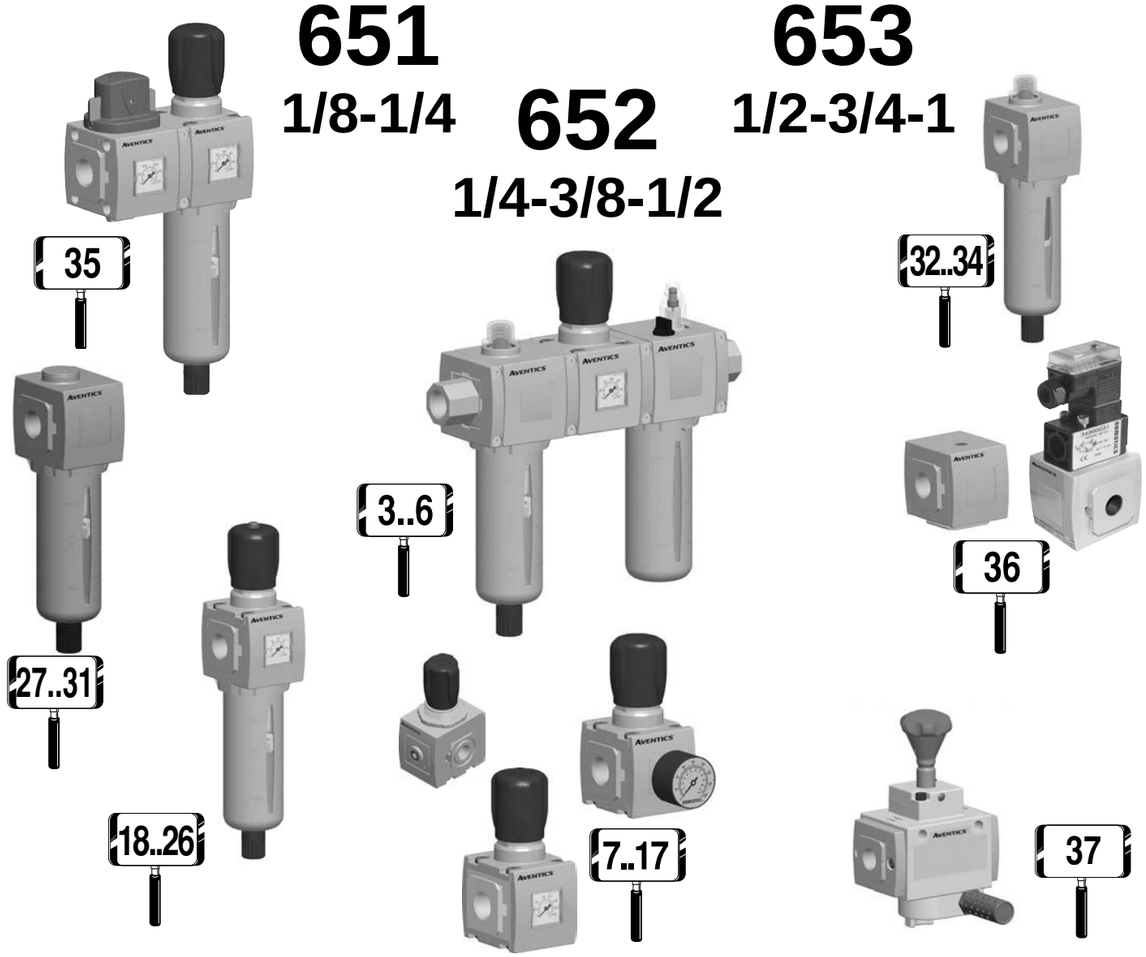
EMERSON

AVENTICS™ SERIES 651-652-653 FRL ASSEMBLY
651 - 652 - 653

INSTALLATION AND MAINTENANCE INSTRUCTIONS	EN
INSTRUCTIONS D'INSTALLATION ET DE MAINTENANCE	FR
INBETRIEBNAHME - UND WARTUNGSANLEITUNG	DE
INSTRUCCIONES DE PUESTA EN MARCHA Y MANTENIMIENTO	ES
INSTRUZIONI DI MESSA IN SERVIZIO E MANUTENZIONE	IT
ALGEMENE INSTALLATIE- EN ONDERHOUDSINSTRUCTIES	NL
INSTALLASJONS- OG VEDLIKEHOLDSINSTRUKSER	NO
INSTALLATIONS- OCH UNDERHÅLLSINSTRUKTIONER	SE
ASENNUS - JA HUOLTO-OHJEET	FI
INSTALLATIONS - OG VEDLIGEHOLDSANVISNINGER	DK
INSTRUÇÕES DE INSTALAÇÃO E MANUTENÇÃO	PT
ΟΔΗΓΙΕΣ ΤΟΠΟΘΕΤΗΣΗΣ ΚΑΙ ΣΥΝΤΗΡΗΣΗΣ	GR
POKYNY PRO INSTALACI A ÚDRŽBU	CZ
INSTRUKCJA MONTAŻU I KONSERWACJI	PL
TELEPÍTÉSI ÉS KARBANTARTÁSI ÚTMUTATÓ	HU
ИНСТРУКЦИЯ ПО УСТАНОВКЕ И ОБСЛУЖИВАНИЮ	RU
ОРНАТУ ЖӘНЕ ҚЫЗМЕТ КӨРСЕТУ НҰСҚАУЛАР	KZ



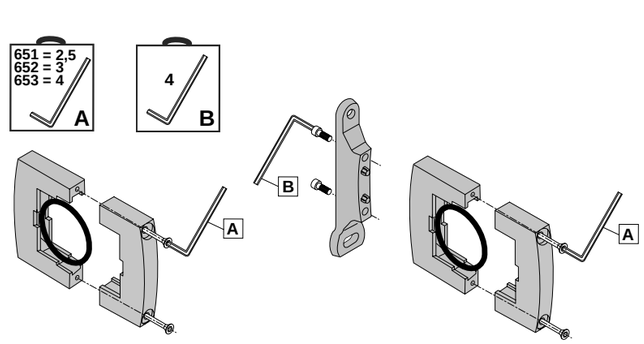
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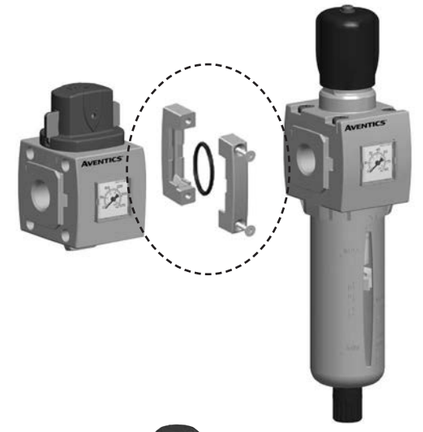
EMERSON

AVENTICS™ SERIES 651-652-653 FRL ASSEMBLY
651 - 652 - 653



ASSEMBLING UNITS

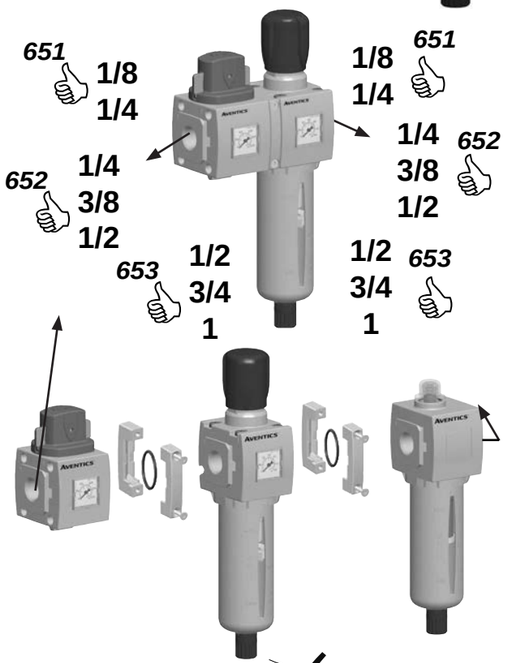




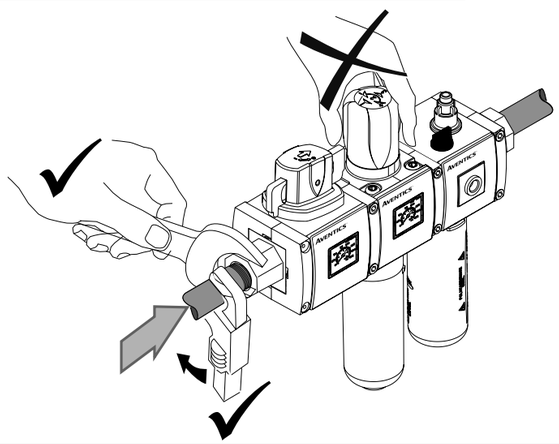
	items	N.m	Inch.pounds	items	N.m	Inch.pounds
651 ►	A	1,13±0,2	10±2	B	4,2±0,2	37±2
652 ►		1,9±0,2	17±2			
653 ►		2,9±0,2	25±2			

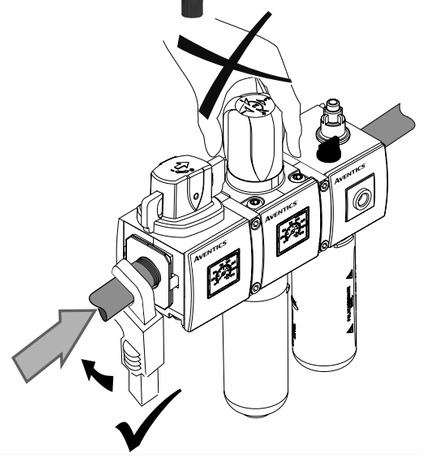



NBR	651 ►	P651AT504958001	P651AT535310001
	652 ►	P652AT502466001	P652AT535311001
	653 ►	P653AT507291001	P653AT535312001
FPM/FKM	651 ►	P651AT504958003	P651AT535310002
	652 ►	P652AT502466003	P652AT535311002
	653 ►	P653AT507291003	P653AT535312002



MOUNTING

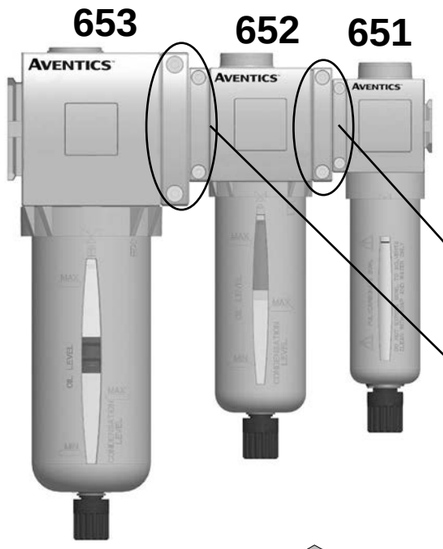




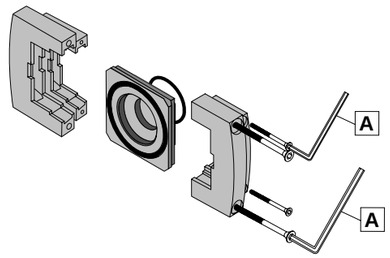
541442-001

ASSEMBLING UNITS

TRANSITION PLATE 653 ▲ 652 ▲ 651

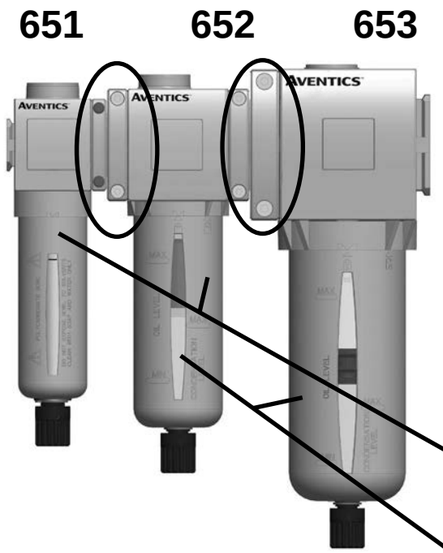


NBR	652 ▸ 651	T652AT519193003
FPM/FKM	652 ▸ 651	T652AT519193004
NBR	653 ▸ 652	T653AT519194003
FPM/FKM	653 ▸ 652	T653AT519194004



651 = 2,5
652 = 3
653 = 4

TRANSITION PLATE 651 ▲ 652 ▲ 653



F

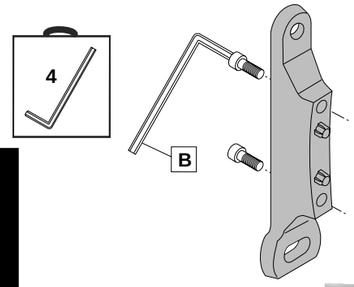
items		N.m	Inch.pounds
A	651 ▸	1,13±0,2	10±2
	652 ▸	1,9±0,2	17±2
	653 ▸	2,9±0,2	25±2

NBR	651 ▸ 652	T651AT519193001
FPM/FKM	651 ▸ 652	T651AT519193002
NBR	652 ▸ 653	T652AT519194001
FPM/FKM	652 ▸ 653	T652AT519194002

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AVENTICS™ SERIES 651-652-653 FRL ASSEMBLY
651 - 652 - 653
▼ ▼

MOUNTING



F

items		N.m	Inch.pounds
B	651 ▸	4,2±0,2	37±2
	652 ▸		
	653 ▸		

Kit

651 ▸	P699AT502467001	
652 ▸		
653 ▸		

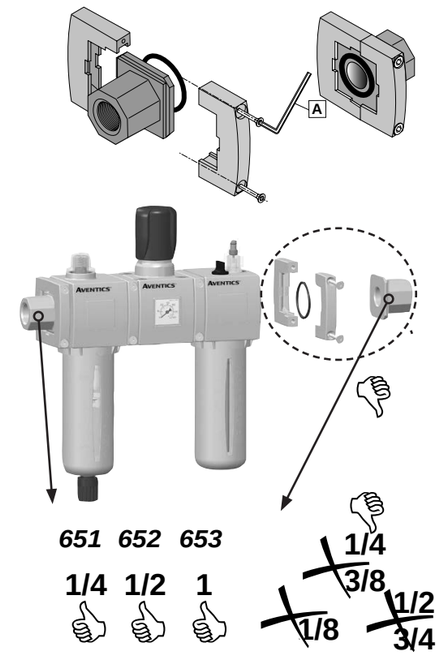
Kit

651 ▸	P651AT503860001	
652 ▸	P652AT503860002	
653 ▸	P653AT503860003	



Kit

NBR	651 ▸	1/4 NPTF	T651AT504959001
		1/4 ISO 228/1-G	T651AT504959002
		1/4 ISO 7/1 Rc	T651AT504959003
	652 ▸	1/2 NPTF	T652AT502468001
		1/2 ISO 228/1-G	T652AT502468002
		1/2 ISO 7/1 Rc	T652AT502468003
	653 ▸	1 NPTF	T653AT507292001
		1 ISO 228/1-G	T653AT507292002
		1 ISO 7/1 Rc	T653AT507292003
FPM/FKM	651 ▸	1/4 NPTF	T651AT504959007
		1/4 ISO 228/1-G	T651AT504959008
		1/4 ISO 7/1 Rc	T651AT504959009
	652 ▸	1/2 NPTF	T652AT502468007
		1/2 ISO 228/1-G	T652AT502468008
		1/2 ISO 7/1 Rc	T652AT502468009
	653 ▸	1 NPTF	T653AT507292007
		1 ISO 228/1-G	T653AT507292008
		1 ISO 7/1 Rc	T653AT507292009



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AVENTICS™ SERIES 651-652-653 FRL ASSEMBLY
651 - 652 - 653



EN

Our FRL must comply with Article 4.3 of the PED: They satisfy the requirement of the rules of the art and are not subject to CE Marking.
Assembly: All ports on the device that may come in contact with pressurized fluids must be connected to a conduit or an associated component (example: exhaust silencer, etc.). Stamped brackets and nut are not to be used to support product during installation of pipe or fittings.
Use: Personnel working with the components must be familiar with electric controls, such as redundancies and feedback (electronic controls), where applicable.
Environment: In order to prevent noise nuisance due to system purging by certain components (especially with compressed air), it is recommended to use noise reduction systems.

FR

Nos FRL doivent répondre à l'article 4.3 de la DESP : Ils satisfont l'exigence des règles de l'art et ne sont pas soumis au marquage CE.
Montage : Tous les orifices de l'appareil pouvant être en contact avec le fluide sous pression doivent être raccordés à une canalisation ou à un composant associé (exemple : silencieux d'échappement, etc.). L'installation des supports et fixations ne doivent se faire qu'une fois les tuyauteries installées.
Utilisation : Le personnel intervenant sur certains de ces composants doit être familiarisé avec la commande électrique, par ex. redondances et le cas échéant le retour d'information (commandes électroniques).
Environnement : Afin d'éviter les nuisances sonores dues à la purge de capacité (notamment en air comprimé) par certains composants, il est préconisé d'utiliser des systèmes de réduction de bruit.

DE

Unsere FRL müssen mit den Angaben in PED-Artikel 4.3 übereinstimmen Sie erfüllen die Anforderungen aller Regeln der Technik und unterliegen nicht der CE-Kennzeichnung.
Montage: Alle Anschlüsse der Komponente, die mit dem unter Druck stehenden Medium in Berührung kommen können, sind mit der dazugehörigen Verrohrung oder einem dazugehörigen Gerät zu verbinden (z.B. Schalldämpfer usw.). Gestanzte Befestigungen mit Schraubenmutter eignen sich nicht für die Halterung des Produkts bei der Installation des Rohrs oder der Fassungen.
Einsatz: Das mit Arbeiten an den Komponenten betraute Personal muss mit elektrischer Steuerungstechnik wie Redundanzen und, gegebenenfalls, Rückkopplungen (elektronische Steuerungen) vertraut sein.
Umweltschutz: Um die von manchen Komponenten durch die Entlüftung verursachte Geräuschentwicklung (insbesondere bei Druckluft) zu vermeiden, wird eine Schalldämpfung empfohlen.

ES

Nuestros FRL deben cumplir el Artículo 4.3 de la PED: Cumplen los requisitos de los criterios técnicos y no están sujetas a la marca CE.
Montaje: Todos los orificios del aparato susceptibles de entrar en contacto con el fluido presurizado deben estar conectados a un conducto o a un componente asociado (ejemplo: silenciosos de escape, etc.) Los soportes y la tuerca marcados no deben utilizarse para apoyar el producto durante la instalación de las tuberías o los acoplamientos.
Utilización: El personal que maneje los componentes debe tener conocimientos sobre controles eléctricos, como las redundancias y, si se diera el caso, sobre el retorno de información (controles electrónicos).
Medio ambiente: Para evitar las molestias del ruido de las purgas de capacidad (especialmente con aire comprimido) causadas por determinados componentes, se recomienda utilizar sistemas de reducción del ruido.

IT

I nostri FRL devono conformarsi all'Articolo 4.3 della PED: soddisfano i requisiti di rispondenza alle regole dell'arte e non sono soggetti a marcatura CE.
Montaggio: È necessario che tutte le connessioni del dispositivo che entrano in contatto con il fluido pressurizzato siano collegati a un condotto o a un componente associato (esempio: filtro-silenziatore, ecc.) Le squadre ed i dadi forgiati non devono essere utilizzati per il supporto del prodotto durante l'installazione del tubo o dei raccordi.
Utilizzo: È necessario che il personale che utilizza i componenti conosca bene i controlli elettronici, come le ridondanze e i principi dei feedback (controlli elettronici).
Ambiente: Per evitare disturbi sonori dovuti allo scarico di determinati componenti (soprattutto con l'aria compressa), si consiglia di utilizzare sistemi di riduzione della rumorosità.

NL

Onze FRL moeten voldoen aan artikel 4.3 van de PED: Zij voldoen aan de vereisten van het artikel zijn niet onderworpen aan CE-markering.
Assemblage: Alle poorten op het apparaat die in contact kunnen komen met onder druk staande media moeten worden aangesloten op een leiding of een daarbij behorend onderdeel (bijvoorbeeld een afblaasfilter-demper o.i.d.). Voor ondersteuning van het product tijdens de installatie van leidingen of fittingen mogen geen voorgestanste beugels of moeren worden gebruikt.
Gebruik: De personen die met deze componenten werken, moeten op de hoogte zijn van de geldende eisen ten aanzien van elektrische (elektronische) regelaparatuur zoals redundante systemen of regelingen met terugkoppeling, en van hun toepassingen .
Omgeving: Teneinde geluidsoverlast als gevolg van capaciteitsreiniging (met name met behulp van perslucht) door bepaalde onderdelen te voorkomen, raden wij u aan gebruik te maken van geluidsverminderingssystemen.

NO

Vår FRL må være i samsvar med artikkel 4.3 av PED: De overholder kravene i regelverket for kunst- og åndsverk og er ikke underlagt CE-merking.
Montering: Alle portene på enheten som kan komme i kontakt med trykkvæske, må være tilkoblet en ledning eller en tilbehørskomponent (for eksempel en avgassdemper e.l.). Stemplede braketter og bolter skal ikke brukes til å støtte produktet under installasjon av rør eller fester.
Bruk: Personalet som arbeider med komponentene, må være fortrolig med den elektroniske styringen, for eksempel redundans og feedback der dette er aktuelt (elektropiske styringsverktøy).
Omgivelser: For å unngå støy som oppstår når innholdet i enkelte komponenter tømmes ut (spesielt når det gjelder trykkluft), anbefales bruk av støyreduksjonssystemer.

SE

Vår FRL måste uppfylla artikel 4.3 i PED: De uppfyller kraven i artikelns regler och är inte föremål för CE-märkning.
Montering: Alla öppningar på apparaten som kan komma i kontakt med tryckflöden ska vara anslutna till en ledning eller tillbehörskomponent (till exempel: avgasdämpare etc.) De stansade byglarna och muttern får inte användas till att stödja produkten under montering av rör eller kopplingar.
Användning: Den personal som utför arbetet på vissa av komponenterna ska vara förtrogna med den elektriskä styrningen, till exempel redundans och i förekommande fall informationsretur (elektronisk styrning).
Miljö: För att undvika ljud som uppstår när vissa komponenter tömmer innehållet (i synnerhet med tryckluft), ska man använda ljuddämpande system.

FI

Meidän FRL:n pitää olla PED:n artiklan 4.3 mukainen: Ne täyttävät alan sääntöjen vaatimukset ja niiltä ei vaadita CE-merkintää.
Kokoaminen: Kaikkiin laitteessa oleviin aukkoihin, jotka voivat joutua kosketuksiin paineenalaisen nesteen kanssa, on liitettävä putki tai jokin komponentti (esimerkki: äänenvaimennin, jne.) Puristekiinnikkeitä ja uraa ei saa käyttää tuotteen tukemiseen putken tai liittimien asennuksen aikana.
Käyttö: Komponentteja käsittelevien henkilöiden täytyy tuntea soveltuvin osin elektroniset säädöt, kuten redundanssit ja takaisinkytkentä (elektroniset säädöt).
Ympäristö: Jotta vältettäisiin joidenkin komponenttien aiheuttamat meluhaitat (erityisesti paineilman vuoksi), on suositeltavaa käyttää äänenvaimennusjärjestelmiä.

DK

Vore FRL skal overholde artikel 4.3 i PED: De opfylder kravene i de gældende regler og er ikke underlagt CE-mærkning.
Samling: Alle de porte på enheden, som kan komme i kontakt med væsker under tryk, skal være forbundet med andre rør eller en tilsluttet komponent, f.eks. en lyddæmper. De udstansede konsoller og fastgørelsesringen må ikke bruges som understøttelse af produktet under montering af rør eller fittings.
Brug: De personer, som arbejder med komponenterne, skal have erfaring med elektronikarbejde, f.eks. statisk elektricitet og tilbagekobling (elektroniske kontrolsystemer).
Omgivelser: For at undgå lydgener, når visse komponenter arbejder på højtryk (især med komprimeret luft), anbefales det at installere systemer til støjreduktion.

PT

O FRL tem de estar em conformidade com o Artigo 4.3 da PED: Satisfazem o requisito das regras da arte e não estão sujeitos à Marca CE.
Montagem: Todas as portas do dispositivo que possam entrar em contacto com o fluido sob pressão têm de ser ligadas a uma tubagem ou a um componente associado (por exemplo: silenciador de escape, etc.). Não deve utilizar a porca e os suportes estampados para suportar o produto durante a instalação do tubo ou dos encaixes.
Utilização: O pessoal que trabalha com os componentes tem de estar familiarizado com controlos electrónicos, tais como redundâncias e feedback, se for o caso (controlos electrónicos).
Ambiente: Para evitar a poluição sonora, devido à purga de capacidade (especialmente com ar comprimido), por determinados componentes, é aconselhável utilizar sistemas de redução de ruído.

GR

Τα FRL μας πρέπει να συμμορφώνονται με το Άρθρο 4.3 της ΟΕΥΠ: Πληρούν την απαίτηση των κανόνων της τεχνικής και δεν υπόκεινται σε Σήμανση CE.
Συναρμολόγηση: Όλες οι θύρες της συσκευής που υπάρχει ενδεχόμενο να έρθουν σε επαφή με το υγρό υπό πίεση πρέπει να είναι συνδεδεμένες σε ένα σωλήνα ή σε κάποιο άλλο εξάρτημα (παράδειγμα: σιγαστήρα εξάτμισης κτλ.). Τα παραγόμενα σε πρέσα μπρακέτα και το παξιμάδι δεν προορίζονται για την υποστήριξη του προϊόντος κατά την εγκατάσταση σωλήνων ή στηριγμάτων.
Χρήση: Το προσωπικό που ασχολείται με τα εξαρτήματα πρέπει να γνωρίζει τη λειτουργία των ηλεκτρονικών συστημάτων ελέγχου, όπως τις έφεδρείες και την ανατροφοδότηση, εφόσον χρειαστεί (ηλεκτρονικές λειτουργίες).
Περιβάλλον: Για να αποφευχθούν οι ενοχλητικοί θόρυβοι που προκαλούνται λόγω του καθαρισμού του πυκνωτή (ειδικά με πεπιεσμένο αέρα) από ορισμένα εξαρτήματα, σας συνιστούμε να χρησιμοποιήσετε συστήματα μείωσης του θορύβου.

CZ

Naše systémy FRL musí být v souladu s článkem 4.3 směrnice pro tlaková zařízení PED: Splňují požadavky předpisů v odvětví a nepodléhají označení CE.
Montáž: Všechny přípojky na zařízení, které se mohou dostat do kontaktu s kapalinami pod tlakem, musejí být připojeny k vedení nebo k připojené součásti (například: tlumič výfuku, atd.). Lisované držáky a matice se nesmí použít na podporu produktu při instalaci potrubí nebo armatury.
Používání: Osoby pracující s těmito součástmi musejí znát elektrické ovládací prvky, jako jsou redundance a zpětné vazby (elektronické ovládání).
Pracovní prostředí: Aby se zabránilo zbytečnému hluku v důsledku odvzdušňování systému pomocí určitých součástí (obzvláště v případě stlačeného vzduchu), doporučujeme používat systémy tlumení hluku.

PL

Nasz FRL musi spełniać wymagania artykułu 4.3 PED: Spełniają wymagania zasad budowy i nie podlegają oznaczeniu CE.
Montaż: wszystkie złącza urządzenia, które mogą wejść w kontakt z cieczami pod ciśnieniem, muszą być podłączone do przewodów lub innego komponentu (przykład: tłumik wylotowy itp.). Wsporniki tłoczone i nakrętki nie mogą być stosowane w celu podpierania produktu podczas montażu rur lub złączy.
Użytkowanie: personel pracujący z komponentami musi być obeznany z mechanizmami sterowania elektrycznego, takimi jak redundancja i sprzężenie zwrotne (sterowanie elektroniczne), o ile ma to zastosowanie.
Otoczenie: w celu zapobiegania uciążliwemu hałasowi, szczególnie w systemach uwalniających sprężone powietrze, zaleca się stosowanie systemów redukcji hałasu.

HU

Az FRL-eknek meg kell felelniük a PED 4.3 cikkének: Megfelelnek a termékre vonatkozó szabályoknak és nem képezik CE jelölés tárgyát.
Összeszerelés: A készülék minden olyan csatlakozóját, amely nyomás alatt lévő folyadékkal érintkezhet, megfelelő védőcsőhöz vagy alkatrészhez kell rögzíteni (például: kipufogódob stb.). A lepecsételt keretek és anyák nem használhatók a termék támogatására a cső vagy a szerelvények telepítése során.
Használat: Az alkatrésszel dolgozó személynek tisztában kell lennie az elektronikus vezérlések, redundanciák és gerjedés (elektronikus vezérlés) fogalmával.
Környezet: A berendezés egyes részegységei (különösen a sűrített levegővel működő egységek) által keltett zajszennyezés csökkentése érdekében javasolt a zajcsökkentő berendezések használata.

RU

Наши фильтры, регуляторы и лубрикаторы должны соответствовать статье 4.3 Директивы ЕС о напорном оборудовании: Они удовлетворяют требованиям отраслевых нормативов и не нуждаются в маркировке CE.
Сборка: Все порты устройства, которые могут вступать в контакт с давлением жидкости должен быть соединен с трубопроводом или соответствующего компонента (например, глушитель и т.д.). Запрещается использовать штампованные кронштейны и гайки для поддержки изделия во время установки труб или фитингов.
Использование: Персонал, работающий с компонентами должны быть знакомы с электрическим управлением, например, увольнении и обратной связи (электронные системы управления), где это применимо.
Окружающая среда: В Целях предотвращения шума неприятность из-за системы продувки некоторыми компонентами (особенно с помощью сжатого воздуха), рекомендуется использовать системы сокращения шума.

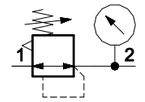
KZ

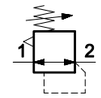
Біздің СРМ жиыны PED директивасының 4.3 тармағына сәйкес келуі тиіс; қарылғылар сала ережелерінің талаптарына сай келеді және оларға CE белгісі қойылмайды.
Жинақ: Қарылғыдағы қысымдалған сұйықтықтармен байланыска түсуі мүмкін барлық порттарды құбыр желісіне немесе тиісті құрамдаска (мысалы, шығару бәсеңдеткіші, т.б.) жалғау қажет. Тесіп бар кронштейндер және гайка құбырды немесе фитингілерді орнату барысында өнімді тіреу үшін пайдаланылмауы керек.
Пайдалану: Құрамдастармен жұмыс істей тін қызметкерлер резервтеу және кері реакция (электрондық басқару) сияқты (қолданылса) электрлік басқару элементтерімен таныс болуы қажет.
Қоршаған орта: Жүйені белгілі бір құрамдастармен (әсіресе сығылған ауамен) үрлеп тазалау кезінде шудың әсерінен қорғау үшін шуды азайту жүйелерін пайдаланған жөн.

541442-001

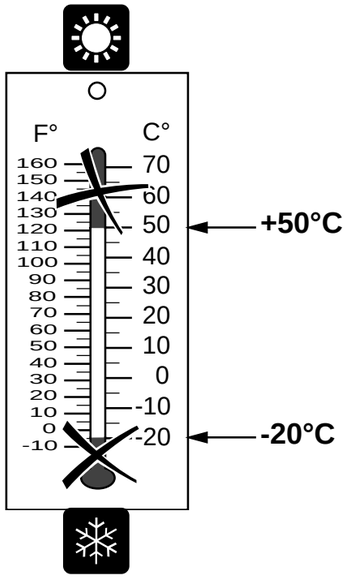
AVENTICS™ SERIES 651-652-653 REGULATOR
651 - 652 - 653 - 653 High Pressure



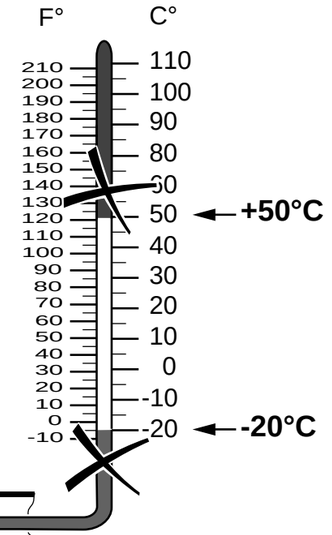




OPERATING CONDITIONS



NBR + FKM/FPM











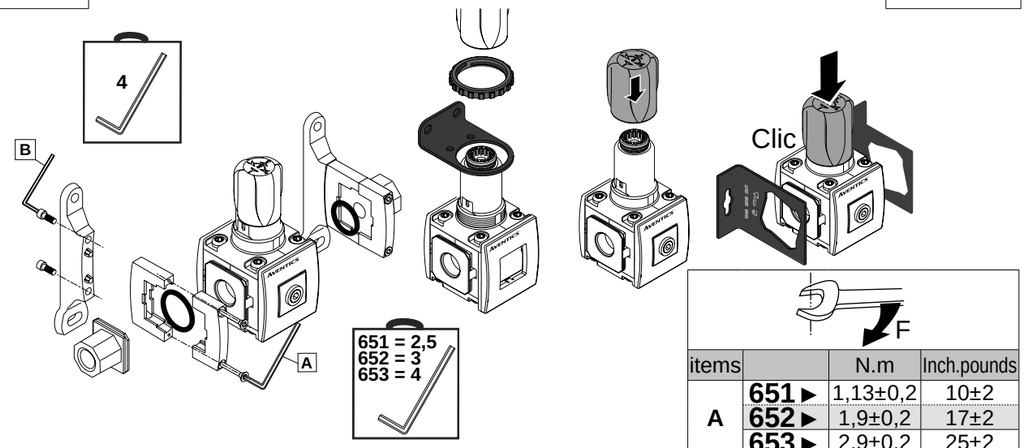




OPTIONS: +80°C / -40°C / .....

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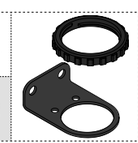
MOUNTINGS



items		N.m	Inch.pounds
A	651 ►	1,13±0,2	10±2
	652 ►	1,9±0,2	17±2
	653 ►	2,9±0,2	25±2
B	651 ►	4,2±0,2	37±2
	652 ►		
	653 ►		

Kit

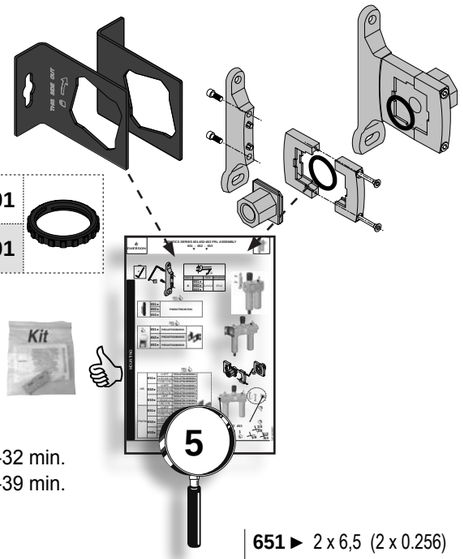
651 ►	P651AT503861001
652 ►	P652AT503861002

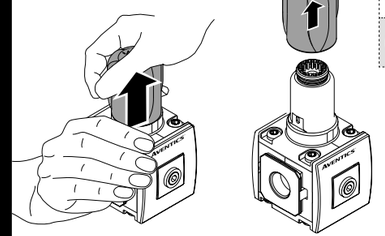


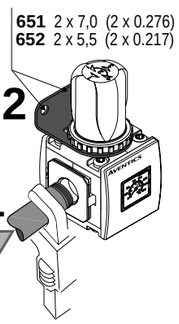
Kit

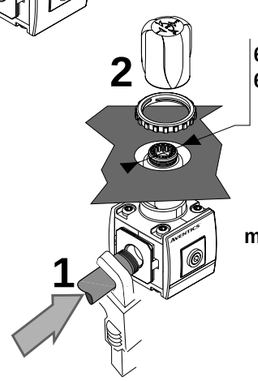
651 ►	P651AT513928001
652 ►	P652AT513177001



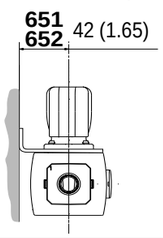


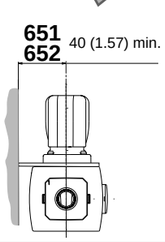


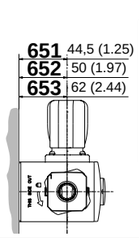


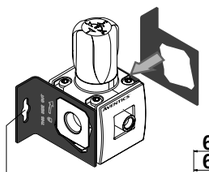


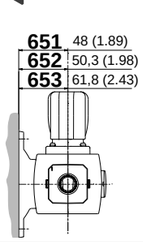
mm (inches)

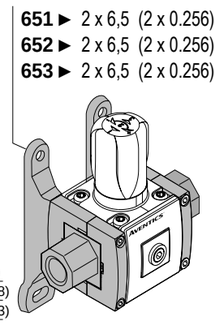






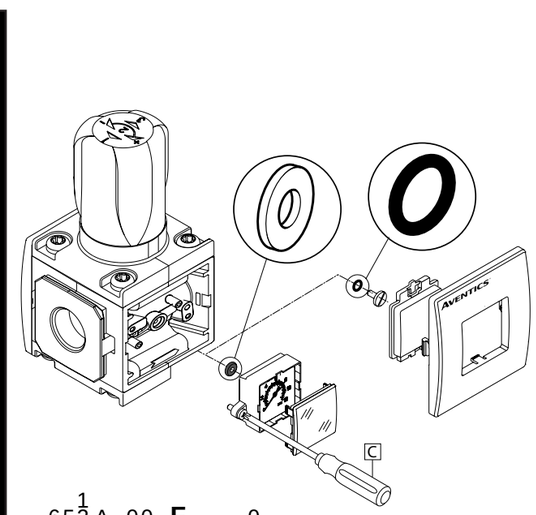




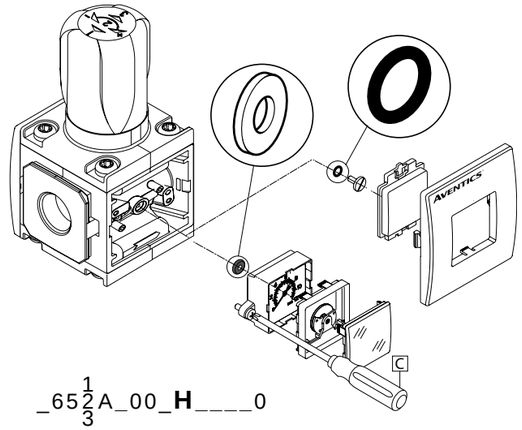


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GAUGES



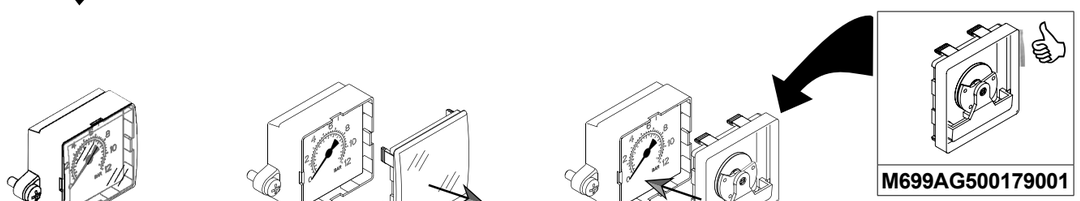
$_{65\frac{1}{2}3}$A_00_**F**____0

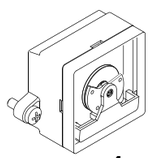


$_{65\frac{1}{2}3}$A_00_**H**____0

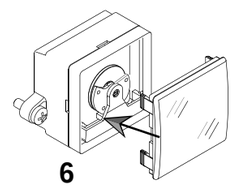
items	N.m	Inch.pounds
C	0,45 ± 0,1	4 ± 1

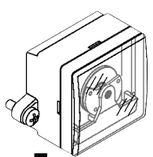
				NBR	FPM
	0-8 bar (0-125PSIG)	0-10 bar (0-145 PSIG)	0-12 bar	M699AG438047001	M699AG438047013
			0-175 PSIG	M699AG438047004	M699AG438047016
	0-3 bar (0-45 PSIG)	0-4 bar (0-60 PSIG)	0-6 bar	M699AG438047002	M699AG438047014
			0-90 PSIG	M699AG438047005	M699AG438047017
	0-8 bar (0-125PSIG)	0-10 bar (0-145 PSIG)	0-12 bar	M699AG438047007	M699AG438047019
			0-175 PSIG	M699AG438047010	M699AG438047022
	0-3 bar (0-45 PSIG)	0-4 bar (0-60 PSIG)	0-6 bar	M699AG438047008	M699AG438047020
			0-90 PSIG	M699AG438047011	M699AG438047023







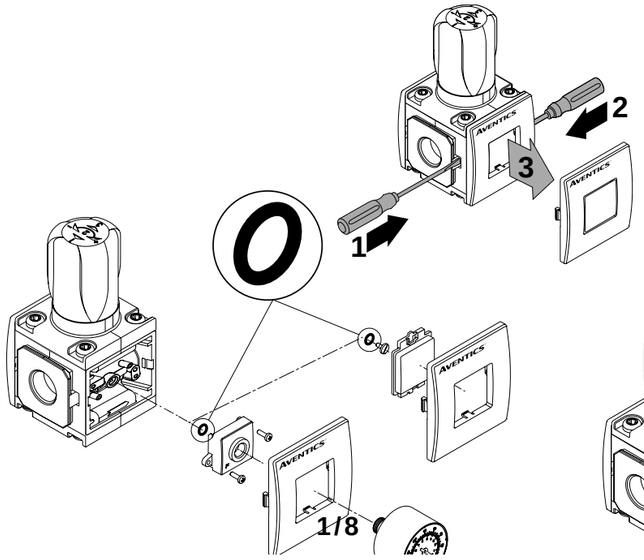


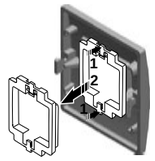


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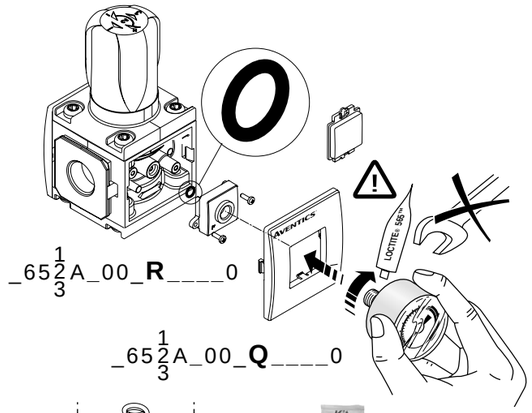
AVENTICS™ SERIES 651-652-653 REGULATOR
651 - 652 - 653 - 653 High Pressure







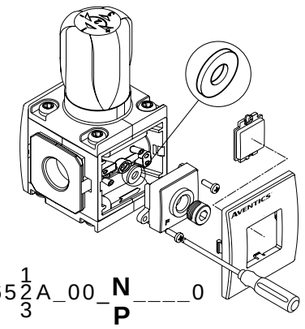
NBR	**M699AG503396001**
FPM/FKM	**M699AG503396002**



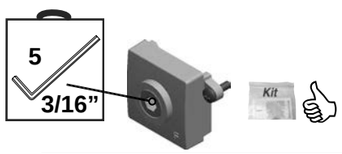
$_{65}^{1}{}_{3}^{2}$A_00_**R**____0

$_{65}^{1}{}_{3}^{2}$A_00_**Q**____0

Thread Sealant with Teflon is recommended: LOCTITE® 565™



$_{65}^{1}{}_{3}^{2}$A_00_**N**____0
P



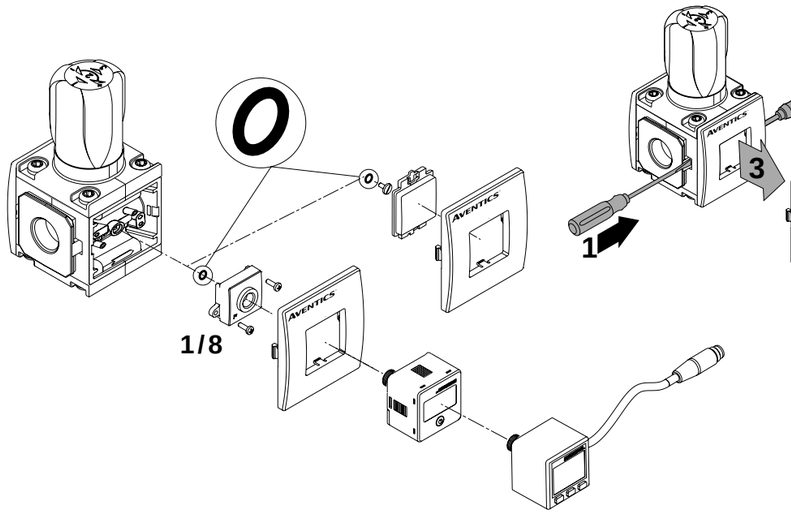
Rc 1/8	NBR	**M699AG440510002**
	FKM FPM	**M699AG440510004**
US ► NPTF 1/8	NBR	**M699AG440510001**
	FKM FPM	**M699AG440510003**

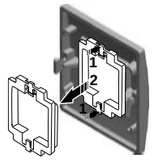
						34300063
0 .. 25 bar (0..360 psig)		0- 16 bar (0- PSIG)	Ø50	US	1/8 NPTF	Rc **M699AG511766001**
					1/8 NPTF	**M699AG511763001**
0 .. 12 bar (0..174 psig)		0-10 bar (0-145 PSIG)	Ø50			**34300062**
	0 .. 12 bar (0..174 psig)	0-10 bar (0-145 PSIG)	Ø40			**34300041**
	0..160 psig 0 .. 11 bar	0-8 bar (0-125PSIG)	Ø40	US	1/8 NPTF	Rc **214-153A**
					1/8 NPTF	**214-103A**
			Ø50	US	1/8 NPTF	Rc **M699AG511765001**
					1/8 NPTF	**M699AG511762001**
	0 .. 4 bar (0..60 psig)	0-3 bar (0-45 PSIG)	Ø40			**34300015**
	0..6 psig 0 .. 90 bar	0-4 bar (0-60 PSIG)	Ø40	US	1/8 NPTF	Rc **RA060**
					1/8 NPTF	**214-116A**
			Ø50	US	1/8 NPTF	Rc **M699AG511766001**
					1/8 NPTF	**M699AG511763001**

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AVENTICS™ SERIES 651-652-653 REGULATOR
651 - 652 - 653







NBR	**M699AG503396001**
FPM/FKM	**M699AG503396002**

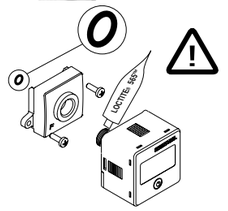
$_{65}^{1}{}_{3}^{2}$A_00_**D**____0

0-145 PSIG → bar,MPa, Kgf/cm²

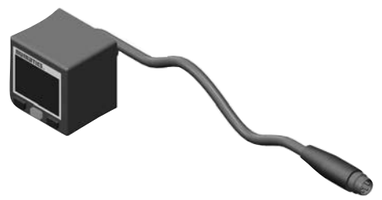
Thread Sealant with Teflon is recommended: LOCTITE® 565™

0..+50°C
FKM ✕ FPM





1/8 Rc	**M699AG504650002**
1/8 NPTF	**M699AG504650001**



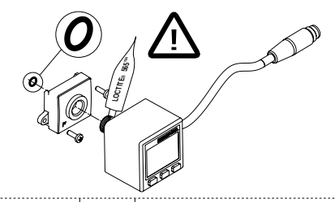
4 pin

P max. 15 bar (217 PSIG)
12..24 VDC

0..+50°C
FKM ✕ FPM

$_{65}^{1}{}_{3}^{2}$A_00_**B**
C____0

M8



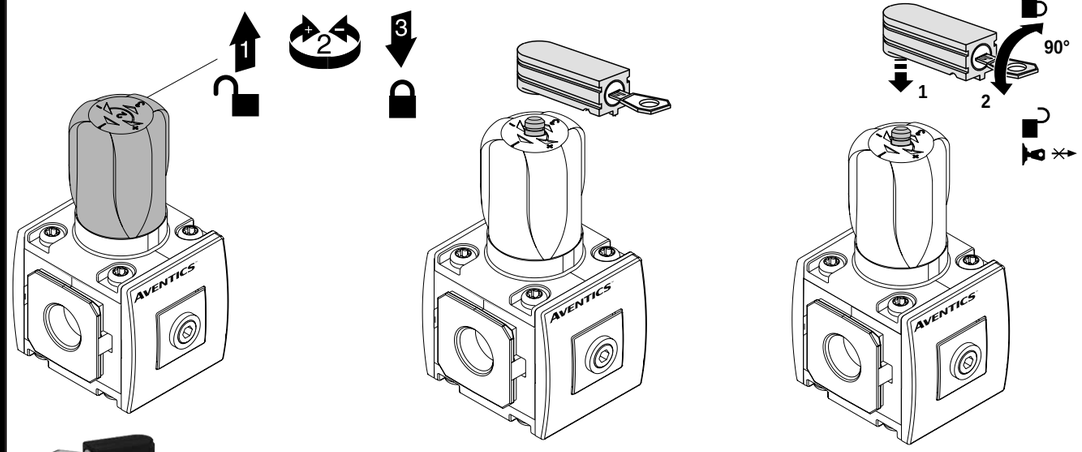
1/8 Rc	NPN	**DPS280NRQ8**
	PNP	**DPS280PRQ8**
1/8 NPTF	NPN	**DPS280NNQ8**
	PNP	**DPS280PNQ8**

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AVENTICS™ SERIES 651-652-653 REGULATOR
651 - 652 - 653 - 653 High Pressure

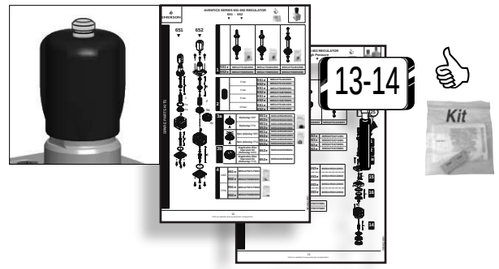


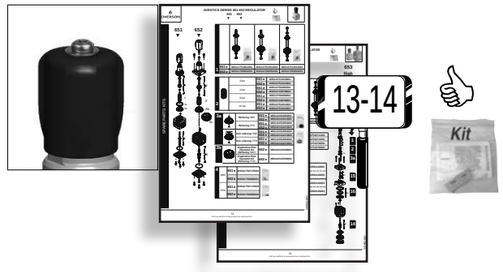
KEY LOCK DEVICE





651 ▶ 652 ▶ 653 ▶	M699AY438663001





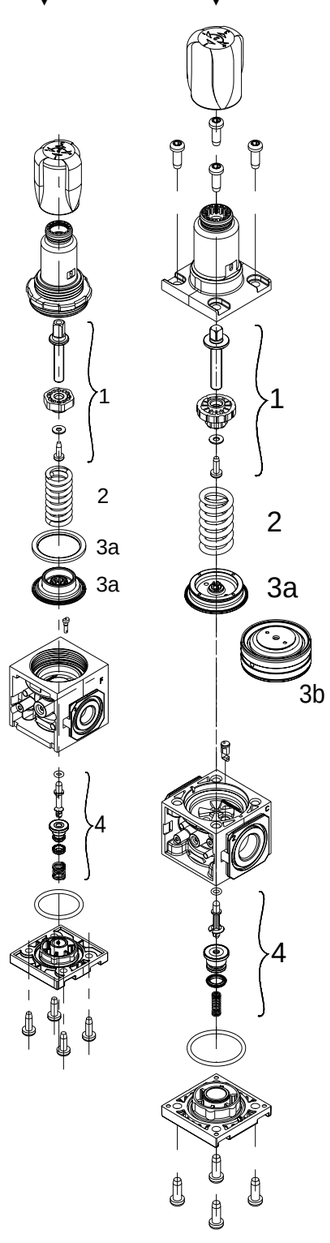


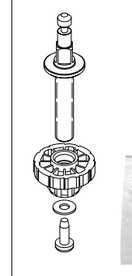
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AVENTICS™ SERIES 651-652 REGULATOR
651 - 652



SPARE PARTS KITS



1		651 ▶	M651AY514012001	
		652 ▶	M652AY506952001	
1		651 ▶	M651AY514012002	
		652 ▶	M652AY506952002	
1		651 ▶	M651AY514012003	
		652 ▶	M652AY506952003	

2		3 bar	651 ▶	M651AY514010001
			652 ▶	M652AY513313001
		4 bar	651 ▶	M651AY504691001
			652 ▶	M652AY438708001
		8 bar	651 ▶	M651AY504692001
			652 ▶	M652AY438709001
		10 bar	651 ▶	M651AY514011001
			652 ▶	M652AY513314001

3a		*Relieving* NBR	651 ▶	M651AH504954001
			652 ▶	M652AH434213001
		Relieving FPM	651 ▶	M651AH504954002
			652 ▶	M652AH434213002
		*Non relieving* NBR	651 ▶	M651AH504954003
			652 ▶	M652AH434213003
		Non relieving FPM	651 ▶	M651AH504954004
			652 ▶	M652AH434213004
3b		**Diaphrahm Pilot Operated Kit (*Relieving* NBR)**	652 ▶	M652AH435268001
		Diaphrahm Pilot Operated Kit (*Relieving* FPM)	652 ▶	M652AH435268002

4	NBR	651 ▶	M651AY507175001	
		652 ▶	M652AY506863001	
	FPM	651 ▶	M651AY507175002	
		652 ▶	M652AY506863002	

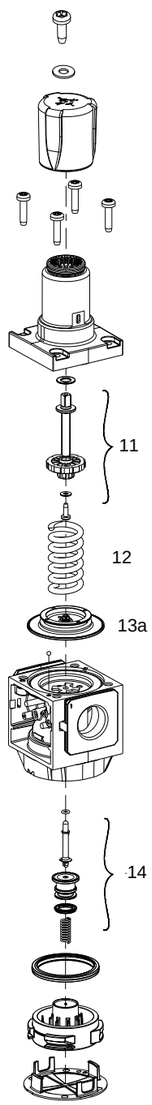


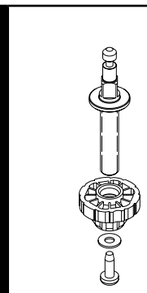


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SPARE PARTS KITS

653



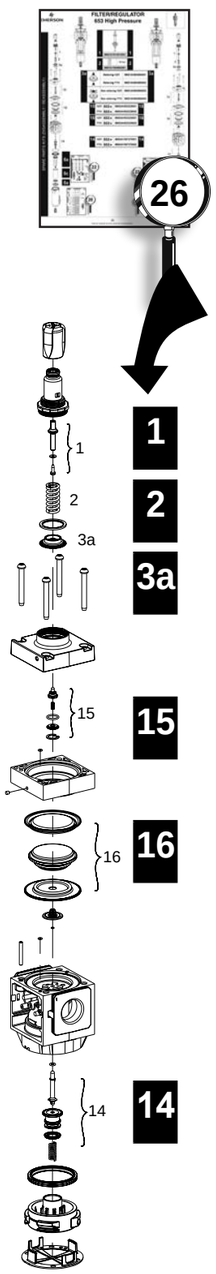
11		M653AY514104001	M653AY514104002	M653AY514104003

12		3 bar	653 ►	M653AY516711001
		4 bar	653 ►	M653AY516710001
		8 bar	653 ►	M653AY516709001
		10 bar	653 ►	M653AY516708001

13a		***Relieving*** NBR	653 ►	M653AH502120001
		Relieving FPM	653 ►	M653AH502120002
		***Non relieving*** NBR	653 ►	M653AH502120003
		Non relieving FPM	653 ►	M653AH502120004

14	NBR	653 ►	M653AY507270001
	FPM	653 ►	M653AY507270002

653 High Pressure

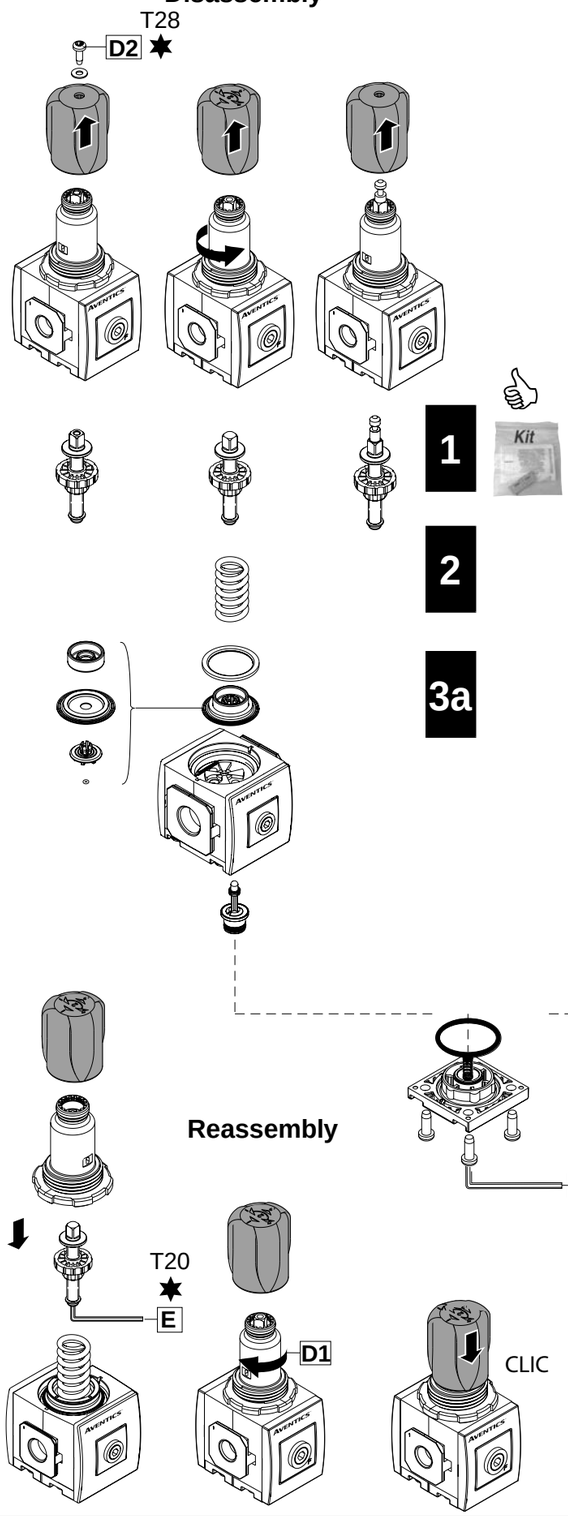


1 2 3a 15 16 14

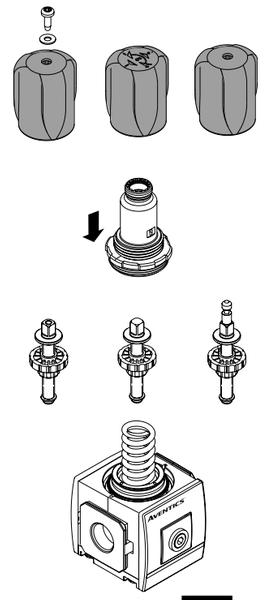
541442-001

SPARE PARTS KITS (DISASSEMBLY / REASSEMBLY)

Disassembly



Reassembly



	F		
	items	N.m	Inch.pounds
651 ►	D	2,8±0,2	25±2
	D1	11,3±1,1	100±10
	D2	1,9±0,2	17±2
	E	0,45±0,1	4±1

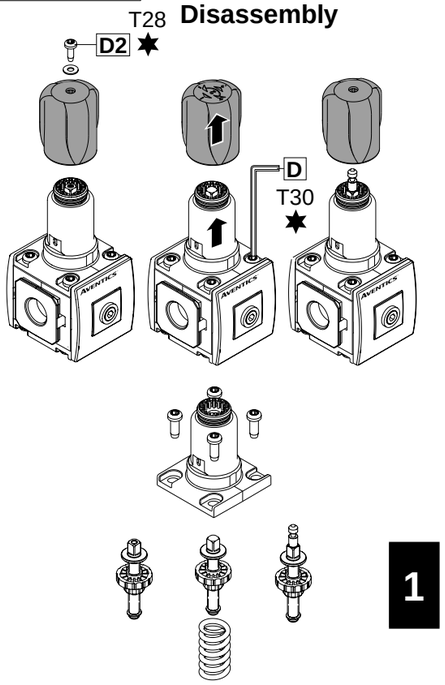
541442-001

AVENTICS™ SERIES 652 REGULATOR
652
▼

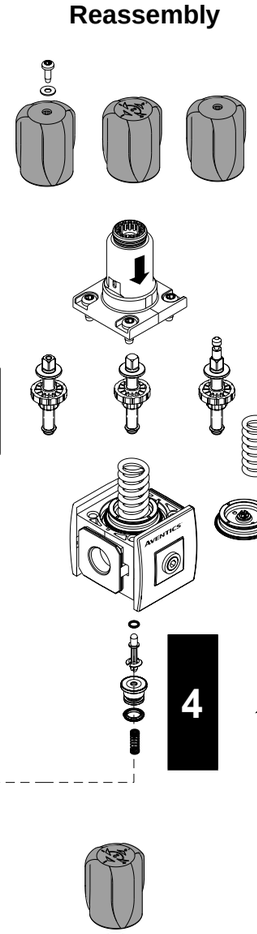


SPARE PARTS KITS (DISASSEMBLY / REASSEMBLY)

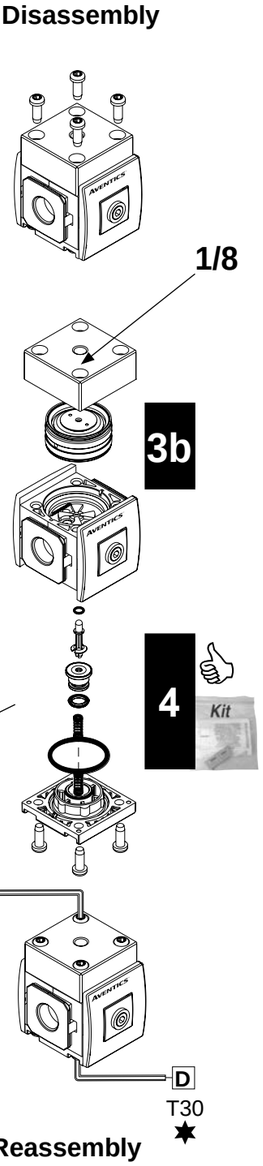
Disassembly



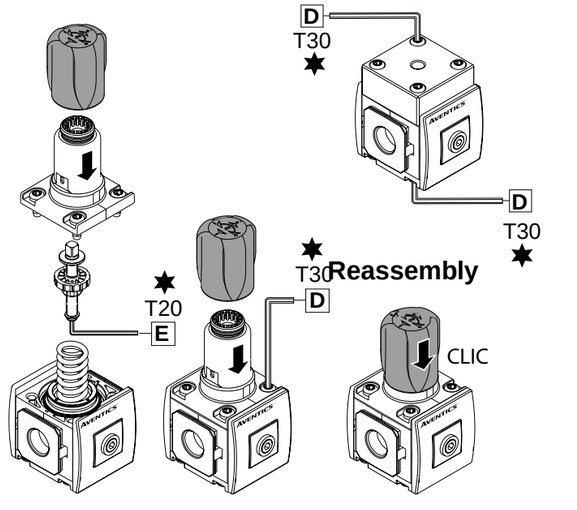
Reassembly



Disassembly



Reassembly



	F	items	N.m	Inch.pounds
652 ▶		D	6,8 ± 0,2	60 ± 2
		D2	1,9±0,2	17±2
		E	1,9 ± 0,2	17 ± 2

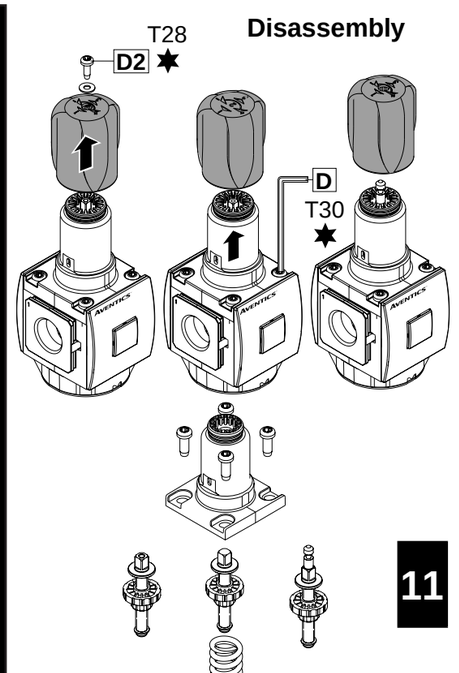
541442-001

AVENTICS™ SERIES 653 REGULATOR
653 - 653 High Pressure
▼ ▼

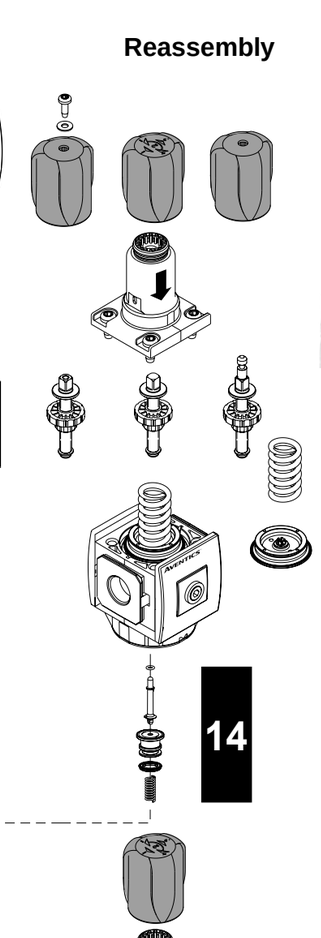


SPARE PARTS KITS (DISASSEMBLY / REASSEMBLY)

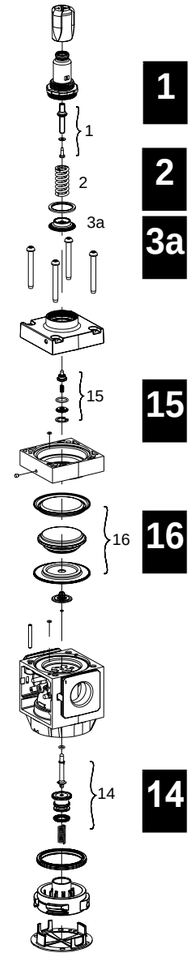
Disassembly



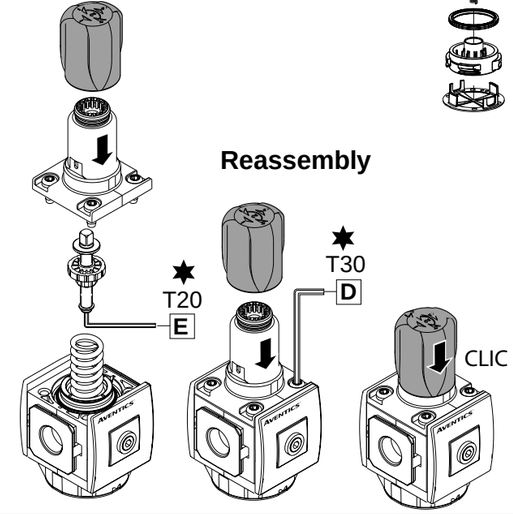
Reassembly



High Pressure Disassembly Reassembly



Reassembly

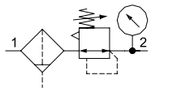


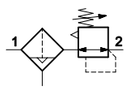
	F	items	N.m	Inch.pounds
653 ▶		D	6,8 ± 0,2	60 ± 2
		D2	1,9±0,2	17±2
		E	1,9 ± 0,2	17 ± 2

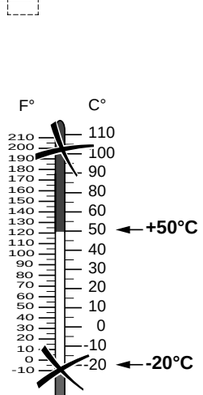
541442-001

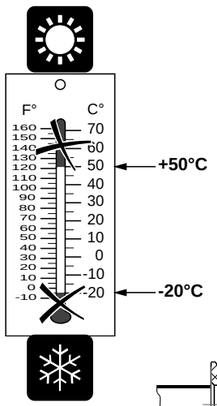


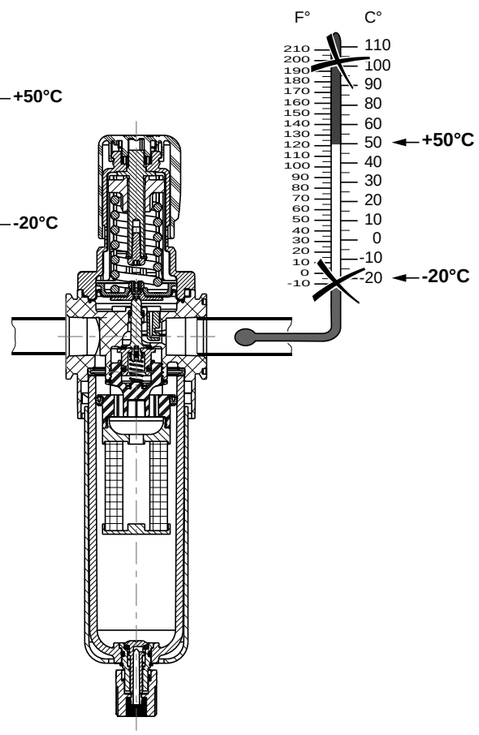
OPERATING CONDITIONS













MODEL **G651APJP4GA00HN** 1H2
Max. P(1) 16bar / 232 PSIG Temp -20°C to +50°C
Max. P(2) 10bar / 145 PSIG - 4°F to +122°F

MODEL **G652APJP4GA00HN** 1H2
Max. P(1) 16bar / 232 PSIG Temp -20°C to +50°C
Max. P(2) 10bar / 145 PSIG - 4°F to +122°F

MODEL **G653APJP4GA00HN** 1H2
Max. P(1) 16bar / 232 PSIG Temp -20°C to +50°C
Max. P(2) 10bar / 145 PSIG - 4°F to +122°F



OPTIONS: +80°C / -40°C / .....

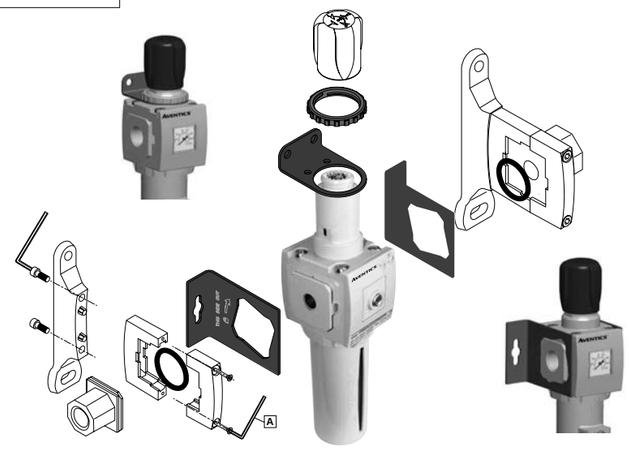
541442-001

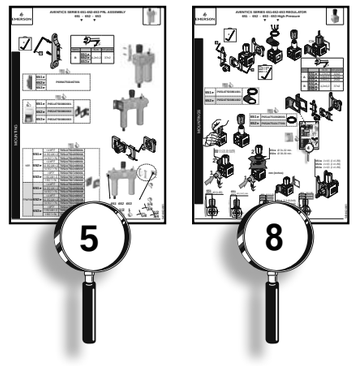
EMERSON

AVENTICS™ SERIES 651-652-653 FILTER/REGULATOR
651 - 652 - 653 - 653 High Pressure

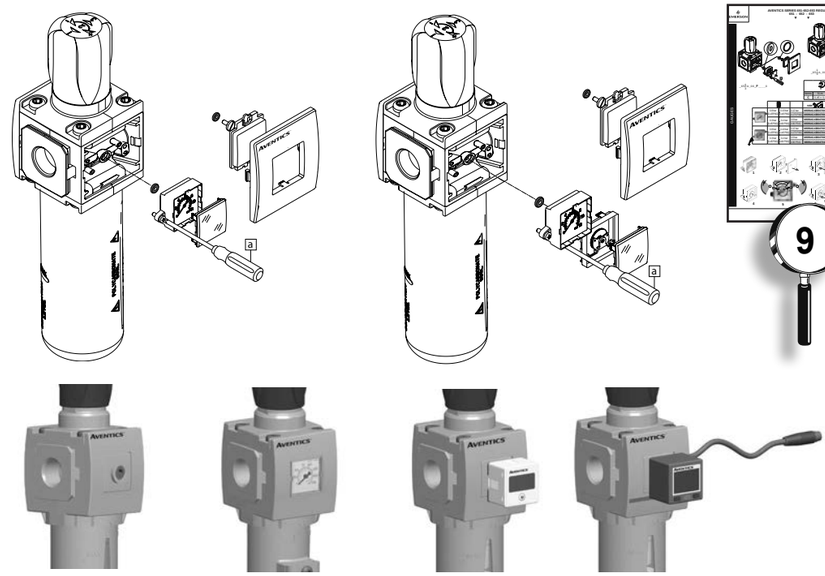


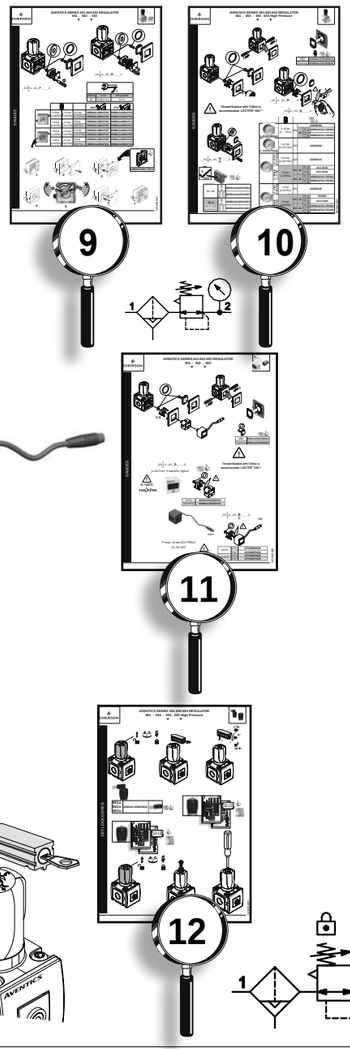
MOUNTINGS



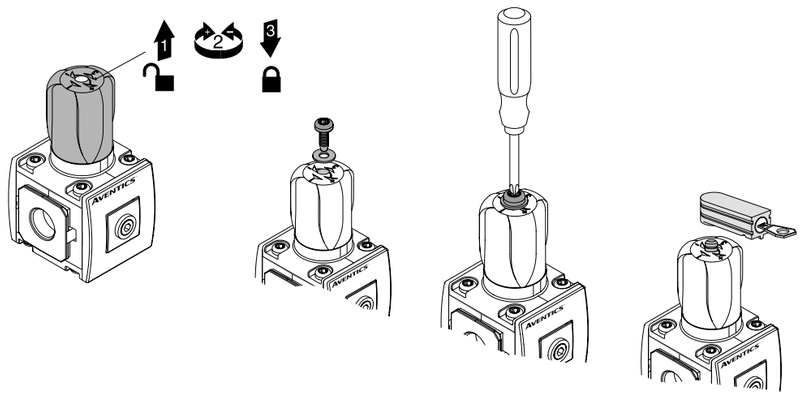


GAUGES





KEY LOCK DEVICES



541442-001

AVENTICS™ SERIES 651-652 FILTER/REGULATOR

651 - 652



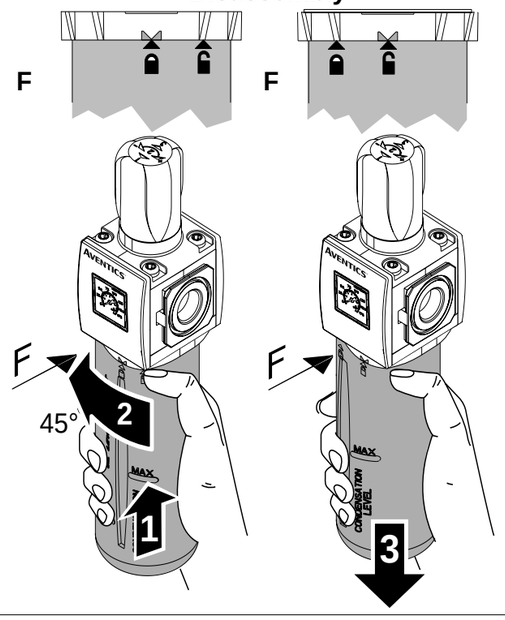
BOWLS

	Polycarbonate Bowl + bowl Guard	+	& NBR seal	651 ▶	M651AU434133001
				652 ▶	M652AU440511001
	Polycarbonate Bowl + bowl Guard	+ semi auto drain	& NBR seal	651 ▶	M651AU514009001
				652 ▶	M652AU513311001
		+ auto drain	& NBR seal	651 ▶	M651AU514009003
				652 ▶	M652AU513311002
	Metal bowl	with PA sight gauge +	& NBR seal	651 ▶	M651AU434133003
				652 ▶	M652AU440511003
			& FKM/FPM seal	651 ▶	M651AU434133013
				652 ▶	M652AU440511013
		Without sight gauge +	& NBR seal	651 ▶	M651AU434133002
				652 ▶	M652AU440511002
			& FKM/FPM seal	651 ▶	M651AU434133011
				652 ▶	M652AU440511011
		with Glass sight gauge +	& NBR seal	651 ▶	M651AU434133004
				652 ▶	M652AU440511004
			& FKM/FPM seal	651 ▶	M651AU434133015
				652 ▶	M652AU440511015
10 x 			NBR seal	651 ▶	M651AH507403001
				652 ▶	M652AH507085001
			FKM/FPM seal	651 ▶	M651AH507403002
				652 ▶	M652AH507085002

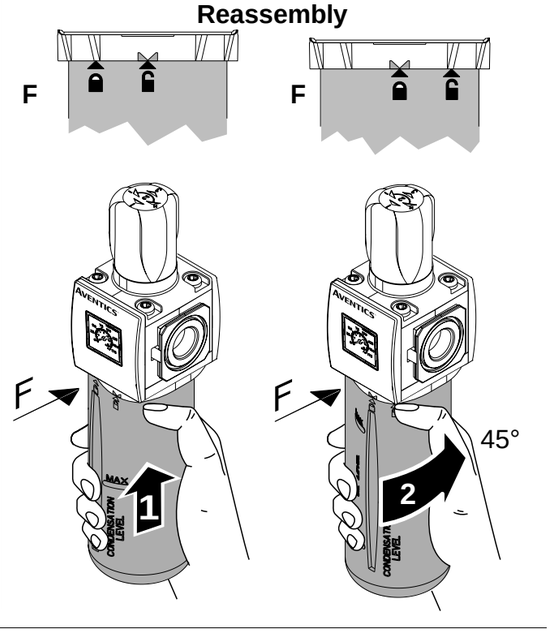
DO NOT USE
T> +50°C (122°F)

FKM/FPM seal
min. -20°C (-4°F)

Disassembly



Reassembly



541442-001

AVENTICS™ SERIES 653 FILTER/REGULATOR

653 - 653 High Pressure



653

	Polycarbonate Bowl + bowl Guard	+	& NBR seal	653 ▶	M653AU507439001
	Polycarbonate Bowl + bowl Guard + semi auto drain	+	& NBR seal	653 ▶	M653AU514103001
	Metal bowl	with PA sight gauge +	& NBR seal	653 ▶	M653AU507439003
			& FKM/FPM seal	653 ▶	M653AU507439011
		Without sight gauge +	& NBR seal	653 ▶	M653AU507439002
			& FKM/FPM seal	653 ▶	M653AU507439005
		with Glass sight gauge +	& NBR seal	653 ▶	M653AU507439004
			& FKM/FPM seal	653 ▶	M653AU507439013
10 x 			NBR seal	653 ▶	M653AH514106001
			FKM/FPM seal	653 ▶	M653AH514106002

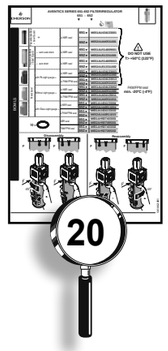
DO NOT USE
T> +50°C (122°F)

FKM/FPM seal
min. -20°C (-4°F)

653 High Pressure

	Metal bowl	with PA sight gauge +	& NBR seal	653 ▶	M653AU507439003
			& FKM/FPM seal	653 ▶	M653AU507439011
		Without sight gauge +	& NBR seal	653 ▶	M653AU507439002
			& FKM/FPM seal	653 ▶	M653AU507439005
		with Glass sight gauge +	& NBR seal	653 ▶	M653AU507439004
			& FKM/FPM seal	653 ▶	M653AU507439013
10 x 			NBR seal	653 ▶	M653AH514106001
			FKM/FPM seal	653 ▶	M653AH514106002

Disassembly
Reassembly



541442-001

AVENTICS™ SERIES 651-652-653 FILTER/REGULATOR
651 - 652 - 653 - 653 High Pressure



DRY AIR
T < +1,7°C (35°F)

T ≤ +50°C (122°F)

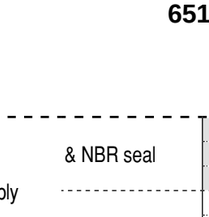
FKM/FPM seal
min. -20°C (-4°C)

T > +50°C (122°F)

653 Filter
High Flow

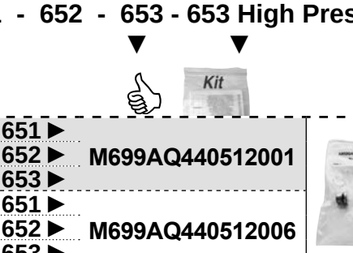
DRAINS

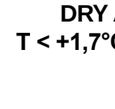
Plug Assembly	& NBR seal	651 ▶ 652 ▶ 653 ▶	M699AQ440512001	
	& FKM/FPM seal	651 ▶ 652 ▶ 653 ▶	M699AQ440512006	
Manual/Semi Auto Drain	& NBR seal	651 ▶ 652 ▶ 653 ▶	M699AQ440512002	Kit
	& FKM/FPM seal	651 ▶ 652 ▶ 653 ▶	M699AQ440512007	Kit
Metal Manual Drain	& NBR seal	651 ▶ 652 ▶ 653 ▶	M699AQ440512003	
	& FKM/FPM seal	651 ▶ 652 ▶ 653 ▶	M699AQ440512008	
Automatic Drain NO	& NBR seal	651 ▶ 652 ▶ 653 ▶	M699AQ501862001	
Automatic Drain NC	& NBR seal	651 ▶ 652 ▶ 653 ▶	M699AQ501862002	
Impulse Drain	& NBR seal	651 ▶ 652 ▶ 653 ▶	M699AQ440512015	

G 1/8 (ISO 228/1)

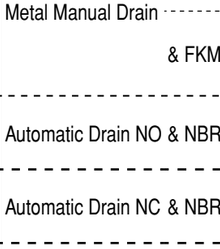
0.55 bar (8 PSIG)
0.14 bar (2 PSIG)



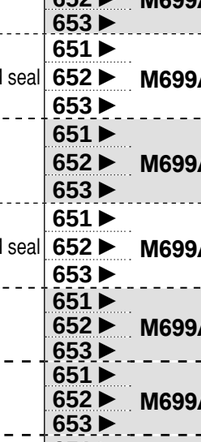




T: 0°C ... +175°C
P: 0 - 250 psi (17 bar)



G 1/8 (ISO 228/1)

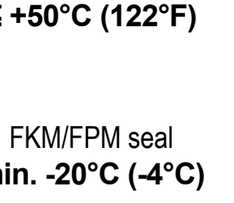


T: +1°C ... +80°C
P1 min. 0.5 / 1 bar
P1 max. 17.2 bar

N.O. or N.C. version

N.C. version: P1<1.5 bar

P1 < 1.5 bar (N.O. version)




10-32 UNF

541442-001

AVENTICS™ SERIES 651-652-653 FILTER/REGULATOR
651 - 652 - 653

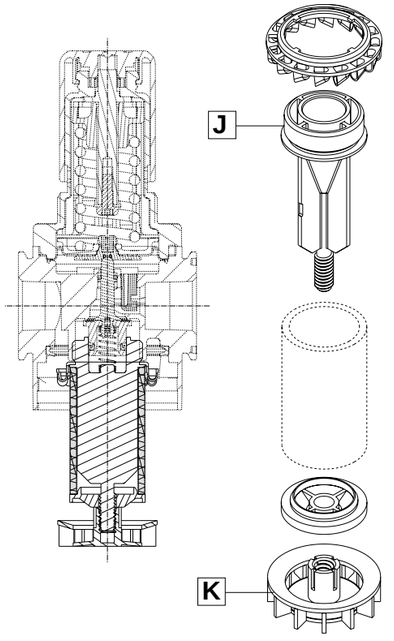


PARTICULATE FILTER

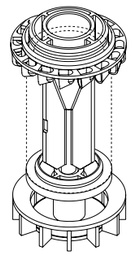
		5 µm	25 µm	40 µm
651 ▶		M651AE434063001	M651AE434063002	M651AE434063003
652 ▶		M652AE433582001	M652AE433582002	M652AE433582003
653 ▶		M653AE439490001	M653AE439490002	M653AE439490003
EN		white	yellow	green
FR		blanc	jaune	vert
DE		weiß	**gelb**	grün
ES		blanco	amarillo	verde
IT		bianco	giallo	verde
NL		wit	geel	groen
NO		hvit	gul	grønn
SE		vit	gul	grön
FI		valkoinen	keltainen	vihreä
DK		hvid	gul	grøn
PT		branco	amarelo	verde
GR		λευκό	κίτρινος	πράσινος
CZ		bílá	žlutý	zelená
PL		biały	żółty	zielony
HU		fehér	sárga	zöld
RU		белый	желтый	зеленый
KZ		ақ	сары	жасыл

5c

653 Filter
High Flow



5a



5a		
651 ▶	M651AY570170001	
652 ▶	M652AY506833001	
653 ▶	M653AY514105001	

5c

5a



items		N.m	Inch.pounds
J	651 ▶ 652 ▶ 653 ▶	1,1 ± 0,2	10 ± 2
K	651 ▶ 652 ▶ 653 ▶	0,45 ± 0,1	4 ± 1

541442-001



Inlet

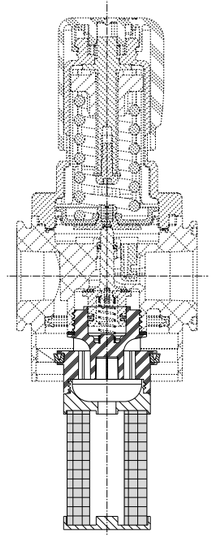
➡ ***Particulate*** (40 µm ➟ 25 µm ➟ 5 µm) ➟ ***Coalescing*** (0.3 µm ➟ 0.01 µm) ➟ ***Adsorber***

COALESCING AND ADSORBER FILTER ELEMENT

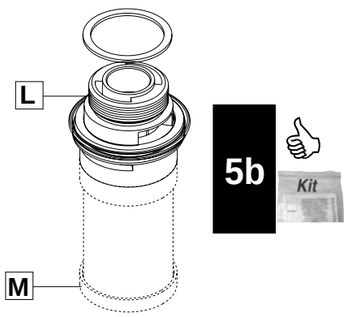
5b Kit

651 ▶	**M651AE525276001**	**M651AE525276003**	**M651AE525276002**		**M651AE525276004**	**EKF12F**
652 ▶	**EKF22D**	**EKF22E**	**EKF22DD**		**EKF22ED**	**EKF22F**
653 ▶	**EKF32D**	**EKF32E**	**EKF32DD**		**EKF32ED**	**EKF32F**
						
	0.3 µm (E-Grade)	**0.01 µm** (E-Grade)	**0.3 µm** (D-Fine Grade)	**+ 3 µm** (pre-filter)	**0.01 µm** (E-Ultra Fine Grade)	**+ 3 µm** (pre-filter)	Activated Carbon
EN	green	red	green		red		white
FR	vert	rouge	vert		rouge		blanc
DE	grün	rot	grün		rot		weiß
ES	verde	rojo	verde		rojo		blanco
IT	verde	rosso	verde		rosso		bianco
NL	groen	rood	groen		rood		wit
NO	grønn	rød	grønn		rød		hvit
SE	grön	röd	grön		röd		vit
FI	vihreä	punainen	vihreä		punainen		valkoinen
DK	grøn	rød	grøn		rød		hvid
PT	verde	vermelho	verde		vermelho		branco
GR	πράσινος	κόκκινος	πράσινος		κόκκινος		λευκό
CZ	zelená	červená	zelená		červená		bílá
PL	zielony	czerwony	zielony		czerwony		biały
HU	zöld	piros	zöld		piros		fehér
RU	зеленый	красный	зеленый		красный		белый
KZ	жасыл	қызыл	жасыл		қызыл		ақ

Air purity class: ISO 8573-1 (2010)



653 Filter High Flow ➡ **31** Kit



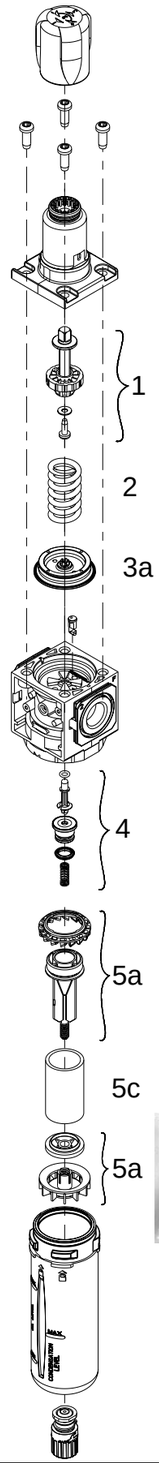
items		N.m	lnch.pounds
L	**651 ▶**	1,9 ± 0,2	17 ± 2
	652 ▶	2,8 ± 0,2	25 ± 2
	653 ▶	3,4 ± 0,2	30 ± 2
M	**651 ▶**	1,13 ± 0,2	10 ± 2
	652 ▶	1,9 ± 0,2	17 ± 2
	653 ▶	2,3 ± 0,2	20 ± 2

541442-001

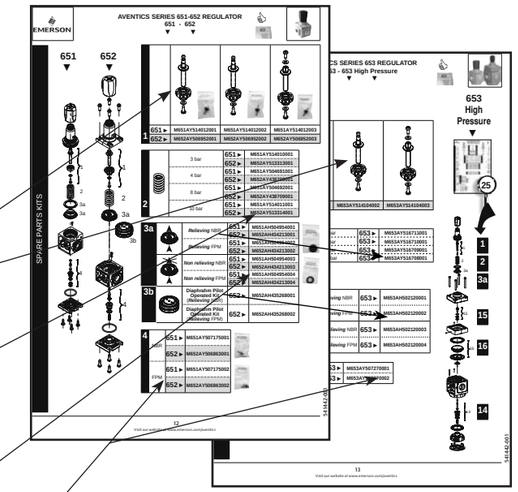
AVENTICS™ SERIES 651-652-653 FILTER/REGULATOR
651 - 652 - 653 - 653 High Pressure

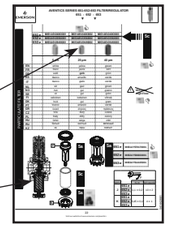


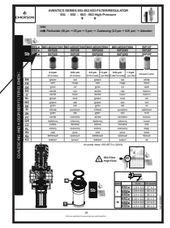
SPARE PARTS KITS (DISASSEMBLY / REASSEMBLY)



1 **11** **2** **12** **17** **3a** **13a** **4** **14** **5a** **5c** **5a** **5a** **5c** **5a**



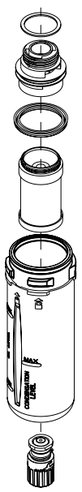




5b



23



5b



24



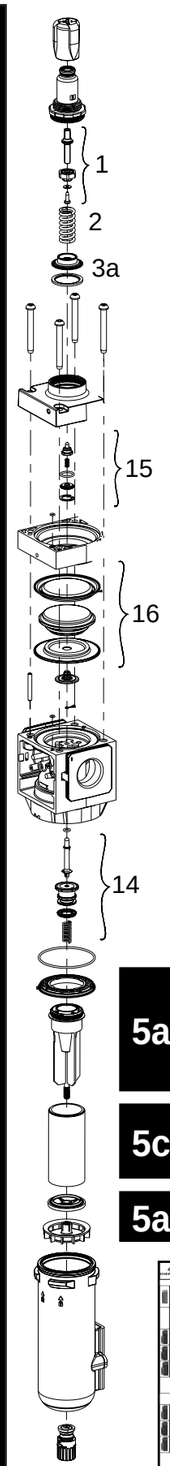
5b

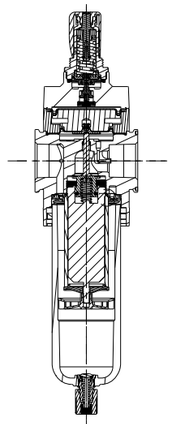
13..17

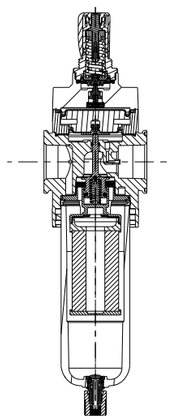
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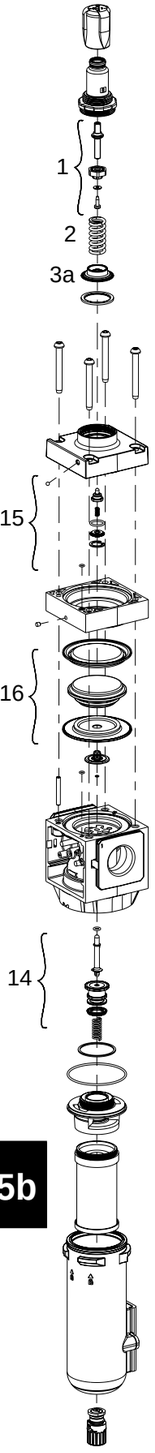
AVENTICS™ SERIES 651-652-653 FILTER/REGULATOR
653 High Pressure

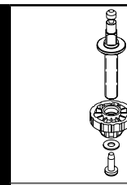
SPARE PARTS KITS (DISASSEMBLY / REASSEMBLY)









1			1
	M651AY514012001		
2		16 bar	2
	M651AY504692001		

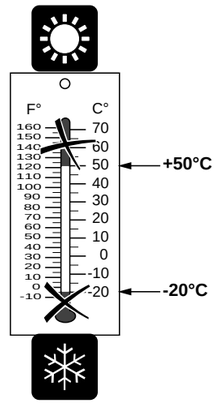
3a		*Relieving* NBR	M651AH504954001	3a
		Relieving FPM	M651AH504954002	
		*Non relieving* NBR	M651AH504954003	
		Non relieving FPM	M651AH504954004	

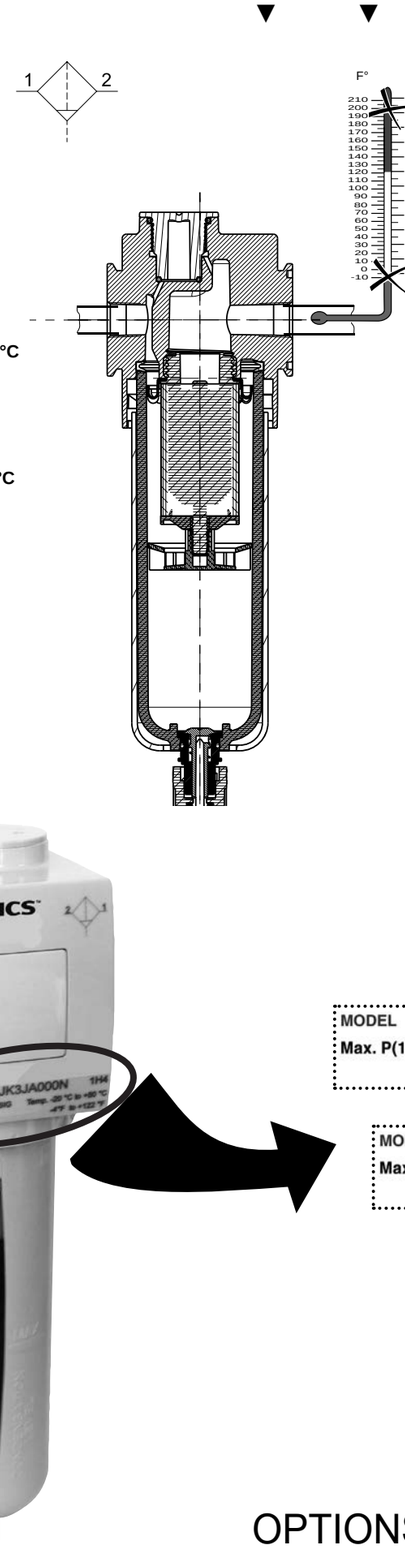
15	NBR	653 ►	M653AH523229001	15
	FPM	653 ►	M653AH523229002	
16	NBR	653 ►	M653AH523230001	16
	FPM	653 ►	M653AY523230002	
14	NBR	653 ►	M653AY507270001	14
	FPM	653 ►	M653AY507270002	

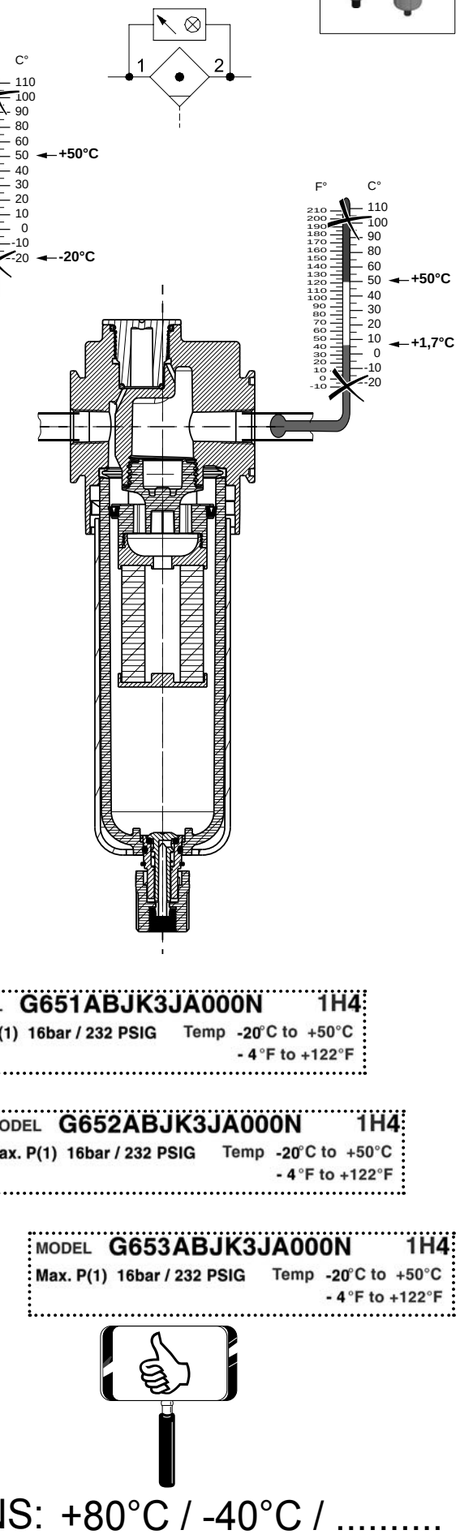
541442-001

AVENTICS™ SERIES 651-652-653 FILTER
651 - 652 - 653 - 653 High Flow

OPERATING CONDITIONS









MODEL **G651ABJK3JA000N** 1H4
Max. P(1) 16bar / 232 PSIG Temp -20°C to +50°C
- 4 °F to +122°F

MODEL **G652ABJK3JA000N** 1H4
Max. P(1) 16bar / 232 PSIG Temp -20°C to +50°C
- 4 °F to +122°F

MODEL **G653ABJK3JA000N** 1H4
Max. P(1) 16bar / 232 PSIG Temp -20°C to +50°C
- 4 °F to +122°F

OPTIONS: +80°C / -40°C / .....

541442-001

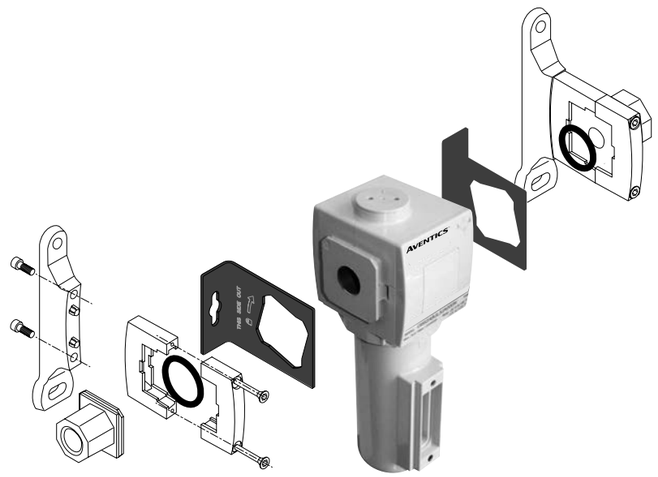


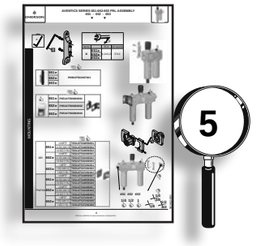
MOUNTINGS

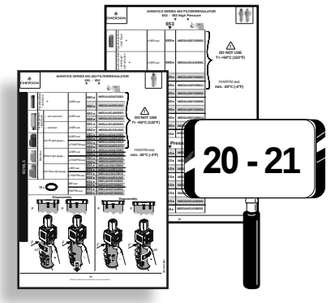
BOWLS

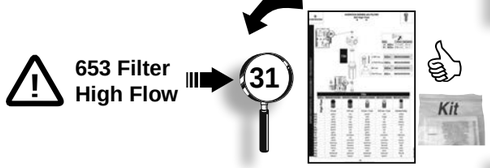
DRAINS

FILTER ELEMENRS









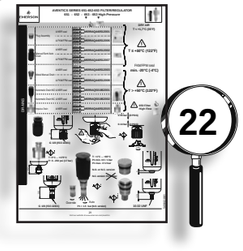


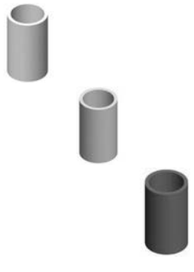


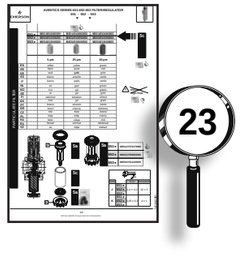




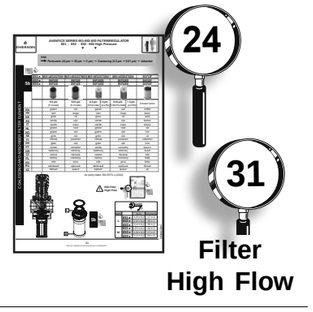












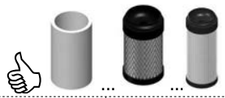
541442-001

EMERSON

AVENTICS™ SERIES 651-652-653 FILTER
651 - 652 - 653 - 653 High Flow



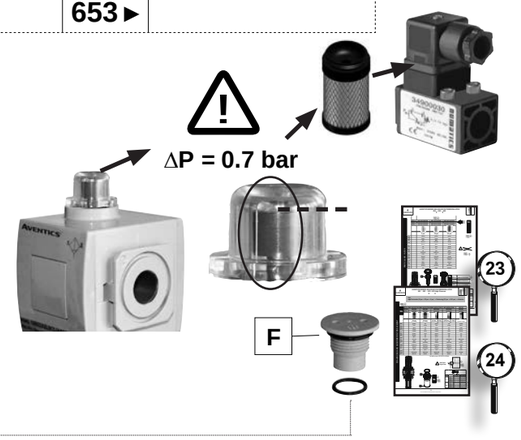
DIFFERENTIAL PRESSURE INDICATORS

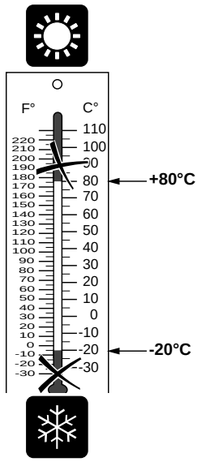


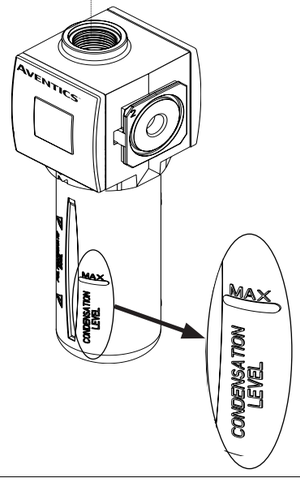
				Kit
	Differential Pressure Pop-Up Indicator	& NBR seal	651 ► 652 ► 653 ►	M699AG439851001
		& FKM/FPM seal	651 ► 652 ► 653 ►	M699AG439851004
	DPI Plug	& NBR seal	651 ► 652 ► 653 ►	M699AG439851002
		& FKM/FPM seal	651 ► 652 ► 653 ►	M699AG439851005
	Electrical Differential Pressure indicator	& NBR seal	651 ► 652 ► 653 ►	M699AG439851003









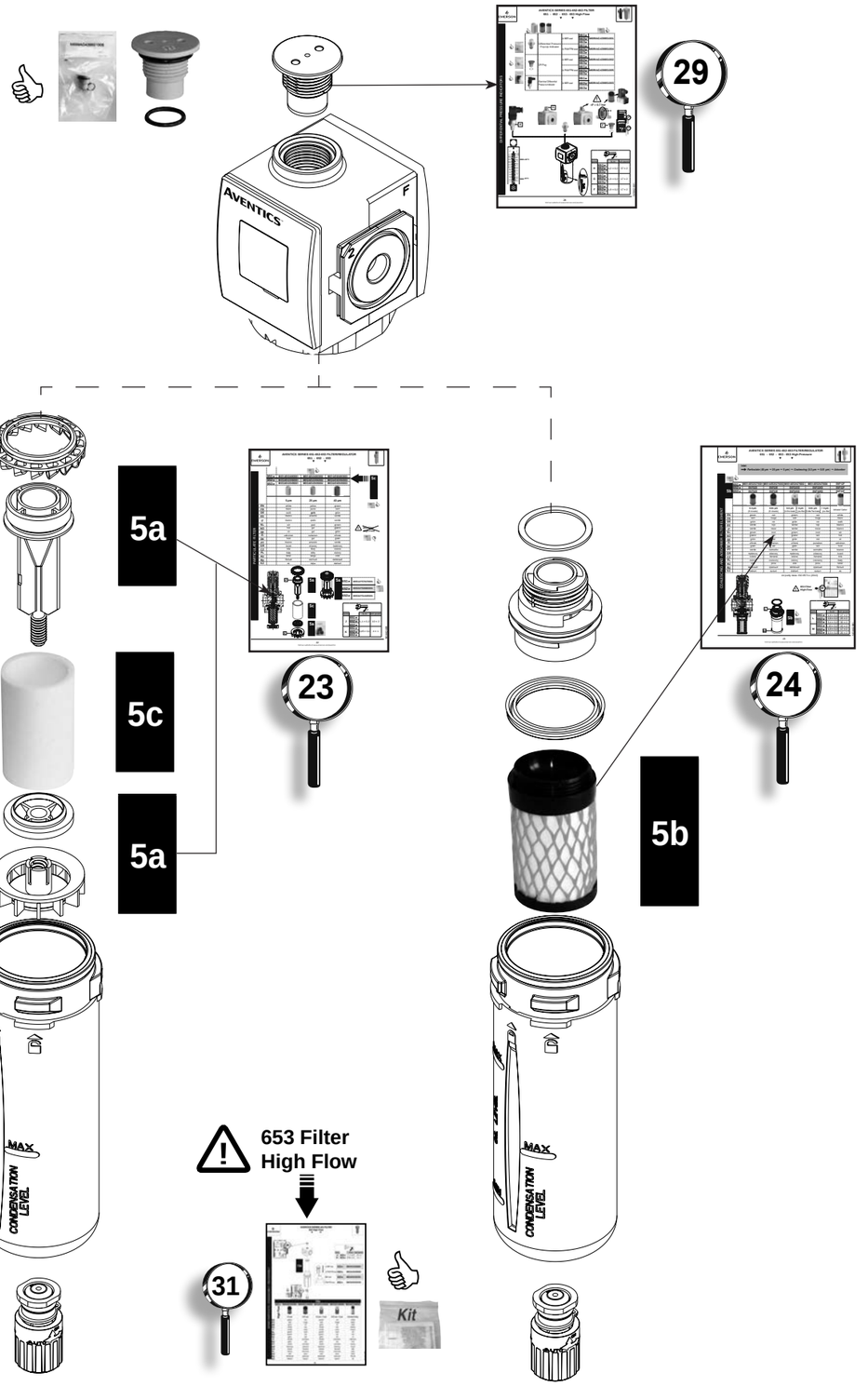


items		N.m	Inch.pounds
H	651 ► 652 ► 653 ►	4,2 ± 0,2	37 ± 2
G	651 ► 652 ► 653 ►	1,9 ± 0,2	17 ± 2
F	651 ► 652 ► 653 ►	1,9 ± 0,2	17 ± 2

541442-001



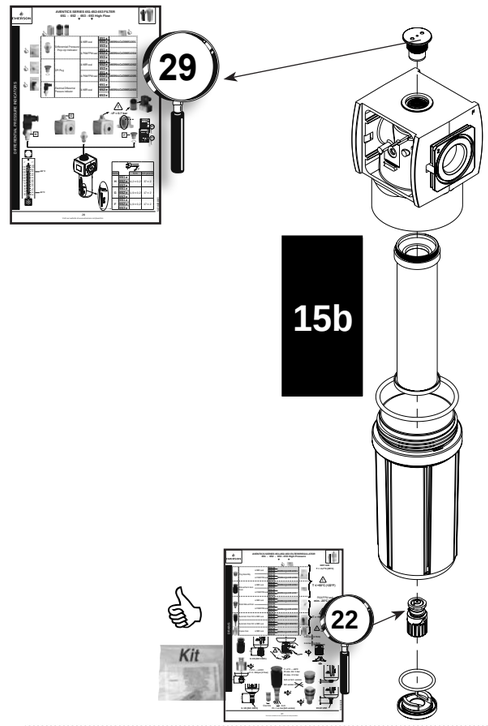
SPARE PARTS KITS / DISASSEMBLY / REASSEMBLY

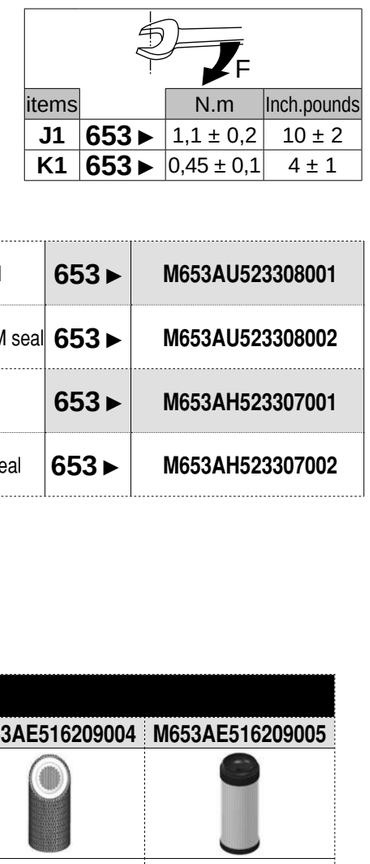


541442-001



SPARE PARTS KITS / DISASSEMBLY / REASSEMBLY





items		N.m	Inch.pounds
J1	653 ▶	1,1 ± 0,2	10 ± 2
K1	653 ▶	0,45 ± 0,1	4 ± 1

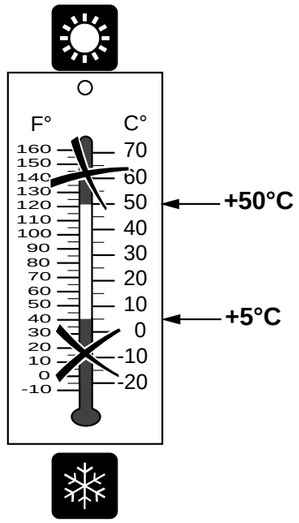
Metal bowl	& NBR seal	653 ▶	M653AU523308001
	& FKM/FPM seal	653 ▶	M653AU523308002
1 x	NBR seal	653 ▶	M653AH523307001
	FKM/FPM seal	653 ▶	M653AH523307002

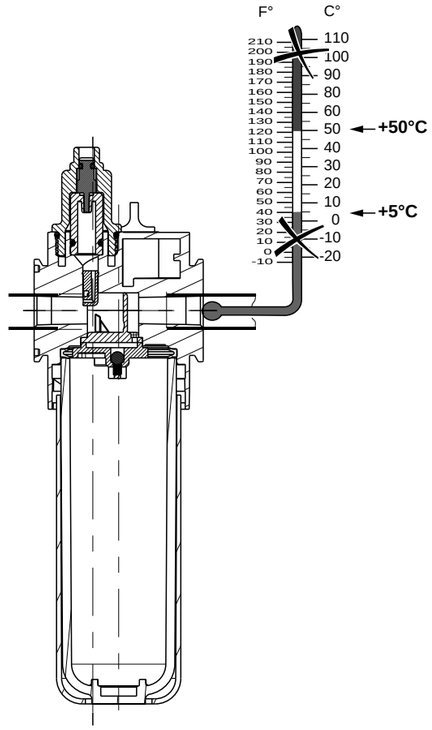
15b					
653 ▶		M653AE516209001	M653AE516209003	M653AE516209002	M653AE516209004	M653AE516209005
	High Flow					
		0.3 µm	0.01 µm	0.3 µm + 3 µm	0.01 µm + 3 µm	Activated Carbon
EN		green	red	green	red	white
FR		vert	rouge	vert	rouge	blanc
DE		grün	rot	grün	rot	weiß
ES		verde	rojo	verde	rojo	blanco
IT		verde	rosso	verde	rosso	bianco
NL		groen	rood	groen	rood	wit
NO		grønn	rød	grønn	rød	hvit
SE		grön	röd	grön	röd	vit
FI		vihreä	punainen	vihreä	punainen	valkoinen
DK		grøn	rød	grøn	rød	hvid
PT		verde	vermelho	verde	vermelho	branco
GR		πράσινος	κόκκινος	πράσινος	κόκκινος	λευκό
CZ		zelená	červená	zelená	červená	bílá
PL		zielony	czerwony	zielony	czerwony	biały
HU		zöld	piros	zöld	piros	fehér
RU		зеленый	красный	зеленый	красный	белый
KZ		жасыл	қызыл	жасыл	қызыл	ақ

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OPERATING CONDITIONS

NBR + FKM/FPM







MODEL **G651AL0P30A0000** 1H4
Max. P(1) 16bar / 232 PSIG Temp + 5 °C to +50°C
+41°F to +122°F

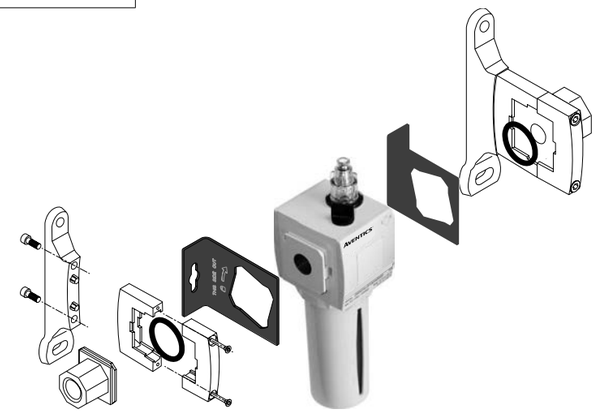
MODEL **G652AL0P30A0000** 1H4
Max. P(1) 16bar / 232 PSIG Temp + 5 °C to +50°C
+41°F to +122°F

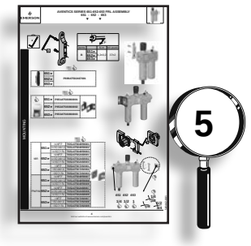
MODEL **G653AL0P30A0000** 1H4
Max. P(1) 16bar / 232 PSIG Temp + 5 °C to +50°C
+41°F to +122°F



541442-001

MOUNTINGS





BOWLS

	Polycarbonate Bowl + bowl Guard +		& NBR seal	651 ▶	M651AU434133008
				652 ▶	M652AU440511008
				653 ▶	M653AU507439006
			& NBR seal	651 ▶	M651AU434133001
				652 ▶	M652AU440511001
				653 ▶	M653AU507439001
	Metal bowl	with PA sight gauge +	& NBR seal	651 ▶	M651AU434133003
				652 ▶	M652AU440511003
				653 ▶	M653AU507439003
			& FKM/FPM seal	651 ▶	M651AU434133013
				652 ▶	M652AU440511013
				653 ▶	M653AU507439011
		Without sight gauge +	& NBR seal	651 ▶	M651AU434133002
				652 ▶	M652AU440511002
				653 ▶	M653AU507439002
			& FKM/FPM seal	651 ▶	M651AU434133011
				652 ▶	M652AU440511011
				653 ▶	M653AU507439005
		with Glass sight gauge +	& NBR seal	651 ▶	M651AU434133004
				652 ▶	M652AU440511004
				653 ▶	M653AU507439004
			& FKM/FPM seal	651 ▶	M651AU434133015
				652 ▶	M652AU440511015
				653 ▶	M653AU507439013



for Level Switch only



Plug Assembly

+

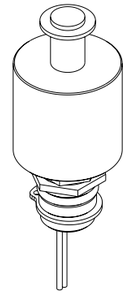
& FKM/FPM seal

& NBR seal



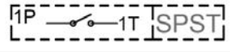
651/652/653 ▶	M699AQ440512006	M699AQ440512001

LUBRICATOR LEVEL SWITCH





50 W



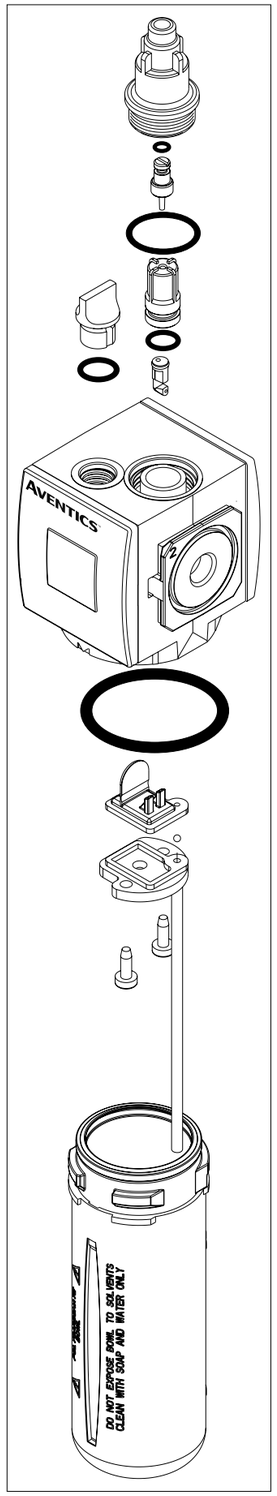
651 ▶		
652 ▶	M699AG506837001	
653 ▶		

541442-001

AVENTICS™ SERIES 651-652-653 LUBRICATOR
651 - 652 - 653

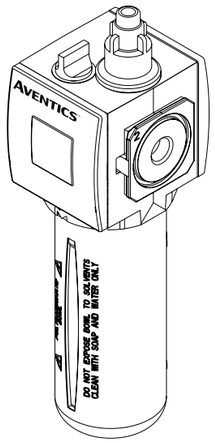


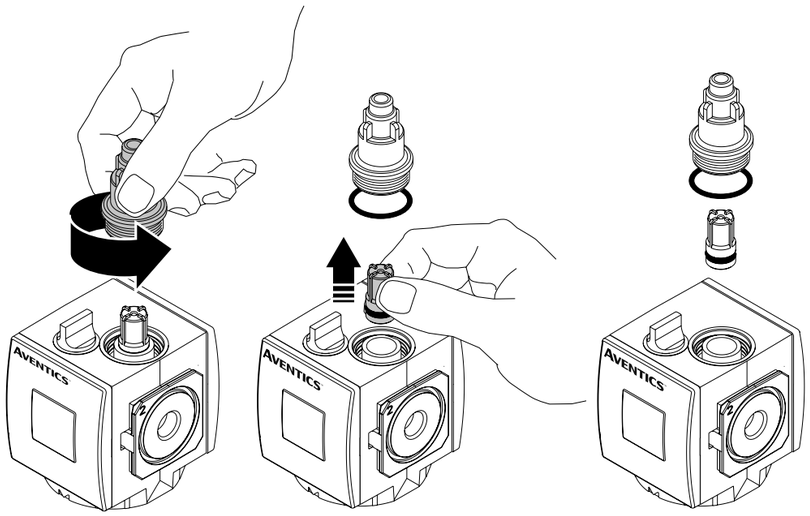
SPARE PARTS KITS

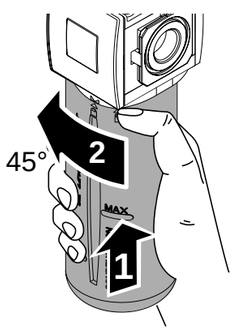


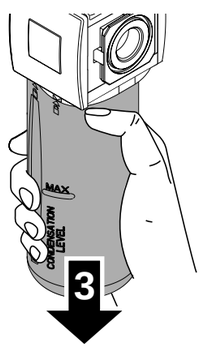


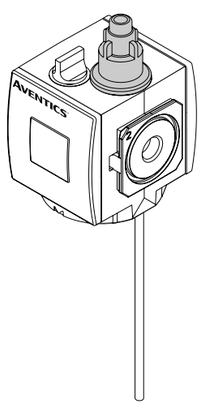
7	& NBR seal	& FKM/FPM seal
651 ►	M699AY506842001	M699AY506842002
652 ►		
653 ►		











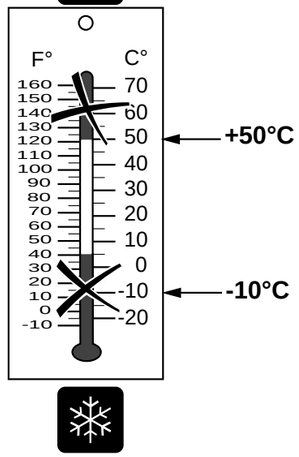
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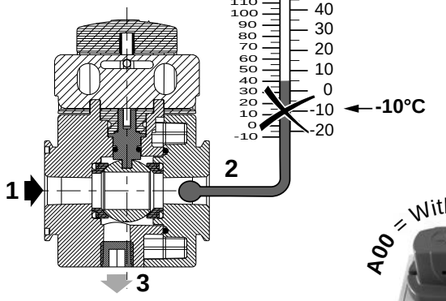
AVENTICS™ SERIES 651-652-653 SHUT-OFF ISOLATION VALVE 2/2 - 3/2
651 - 652 - 653

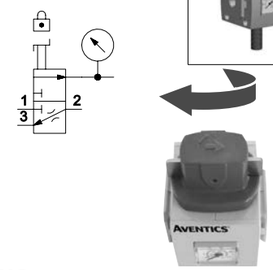


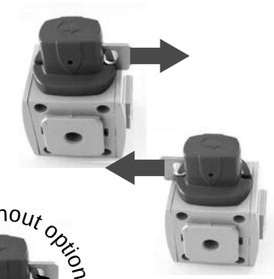
OPERATING CONDITIONS

NBR + FKM/FPM











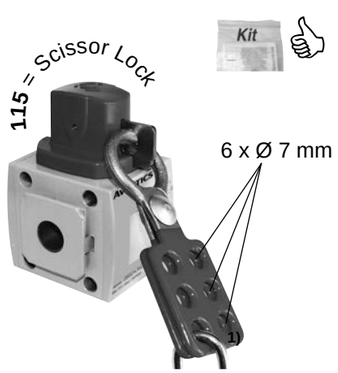
		NBR	FPM
	0-25 bar	M699AG438047003	M699AG438047015
	0-375 PSIG	M699AG438047006	M699AG438047018
	0-25 bar	M699AG438047009	M699AG438047021
	0-375 PSIG	M699AG438047012	M699AG438047024

	0 .. 25 bar (0..360 psig)	Ø50	US ►	34300063
			1/8 Rc	M699AG511766001
			1/8 NPTF	M699AG511763001
	0 .. 16 bar (0..232 psig)	Ø50		34300997
	0..300 psig 0 .. 20 bar	Ø40	US ► 1/8 Rc	RA300A
			1/8 NPTF	214-118A

SCISSOR LOCK



651 ►	VB-1
652 ►	
653 ►	



MUFFLERS SILENCERS

	Metal	1/4 NPTF	651 ►	M2MN
			652 ►	
		3/8 NPTF	653 ►	M3MN
		1/4 G	651 ►	M2MB
			652 ►	
		3/8 G	653 ►	M3MB
	Polyethylene	1/4 NPTF	651 ►	E2MN
			652 ►	
		3/8 NPTF	653 ►	E3MN
		1/4 G	651 ►	34600407
			652 ►	
		3/8 G	653 ►	34600408



541442-001

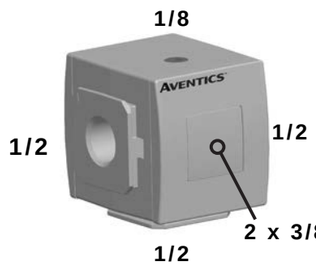
AVENTICS™ SERIES 651-652-653 DIVERTER BLOCKS
651 - 652 - 653

▼ ▼

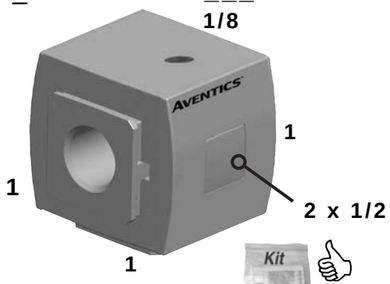
_651AD004**T**___00



_652AD004**T**___00



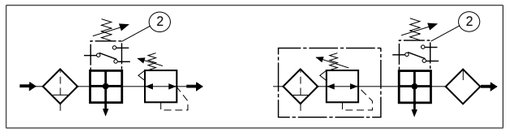
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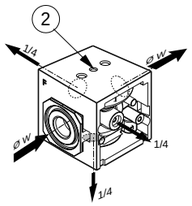
PRESSURE SWITCH SENSOR



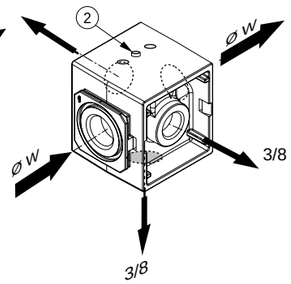
1/8 NPTF, 20-130 PSI (1.4 to 9 bar) range, Brass/NBR 3 PIN Micro connection (12mm); IP65	651 ▶ 652 ▶ 653 ▶	PS182CAN01
1/8 BSPP, 20-130 PSI (1.4 to 9 bar) range, Brass/NBR 3 PIN Micro connection (12mm); IP65	651 ▶ 652 ▶ 653 ▶	PS182CAG01
1/8 NPTF, 14 - 150 PSI (1 to 10 bar) range, Zinc Plated Steel/NBR Polyamide Connector Material, 4 PIN DIN Connector; IP65	651 ▶ 652 ▶ 653 ▶	PS180CAN01
Connector/Cord-set for PS182 - 90° Elbow: 5 Meter cable	651 ▶ 652 ▶ 653 ▶	PS182-5-90
Connector/Cord-set for PS182 - Straight: 5 Meter cable	651 ▶ 652 ▶ 653 ▶	PS182-5-ST



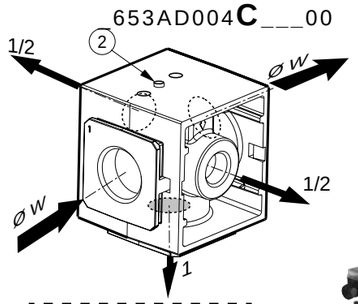
_651AD004**C**___00

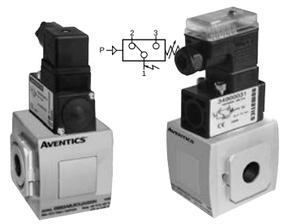


_652AD004**C**___00



653AD004**C**___00



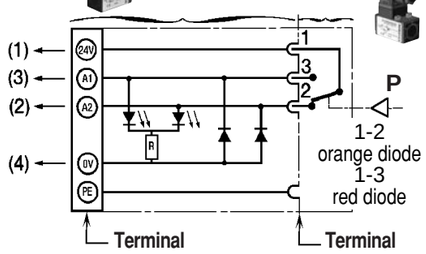


Kit

PRESSURE SWITCH SENSOR

		0,5 - 10 bar	0,5 - 16 bar
Without protection 250 V - AC/DC IP65 NBR -10°C..+60°C	651 ▶ 652 ▶	34900030	-
	653 ▶		34900033
With protection 24 V DC IP65 NBR 0°C..+60°	651 ▶ 652 ▶	34900031	-
	653 ▶		34900034

ISO 4400 / EN 175301-803, form A - **NOT ROTATABLE**



541442-001

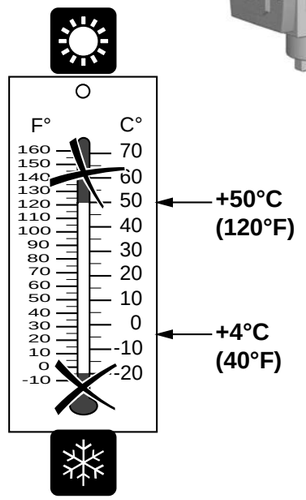
AVENTICS™ SERIES 652-653 LOCKOUT VALVES
652 - 653

▼ ▼



Max. Pressure
150 PSIG (10 bar)

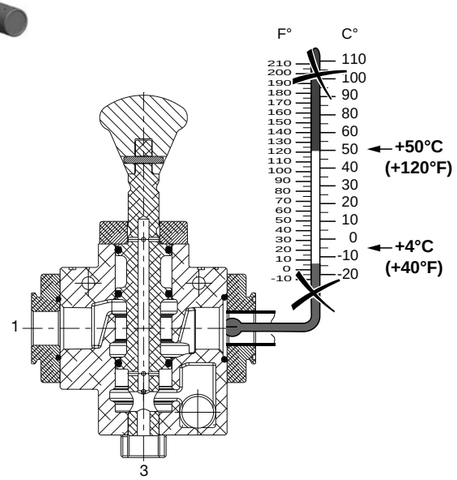
OPERATING CONDITIONS



T652A$^{5}_{6}$L000___00

T653A$^{5}_{6}$L060___00

NBR ONLY

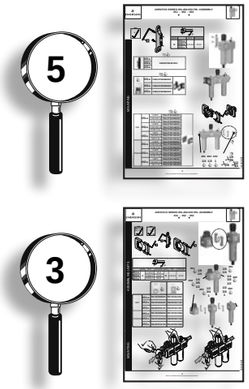


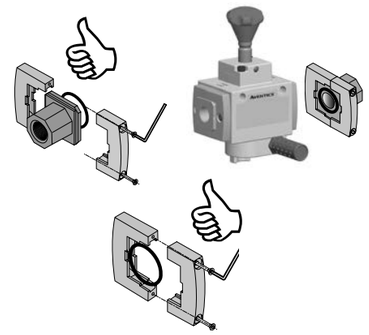
SCISSOR LOCK



Kit

651 ▶ 652 ▶ 653 ▶	VB-1





MUFFLERS SILENCERS



Kit

Metal	1/2 NPTF	652 ▶	M4MN
	1 NPTF	653 ▶	M6MN

541442-001