





1/ tajccbabmw&m;

pa&oe puS aomu&oe kwly&eft wuf o&olt aeji h t xtu&usi rl rv&tyy/ pubnf vly&qmi&rs;u& r&rbomom wqily) wqia&qmi&ub&on/ vlypp&sh ywbu&aom ty&fu@vnt ryg&ibl'Z, f(ol) "gw&q&zi harmif&ES&aom tif&si&wpv&omyg&ibn/

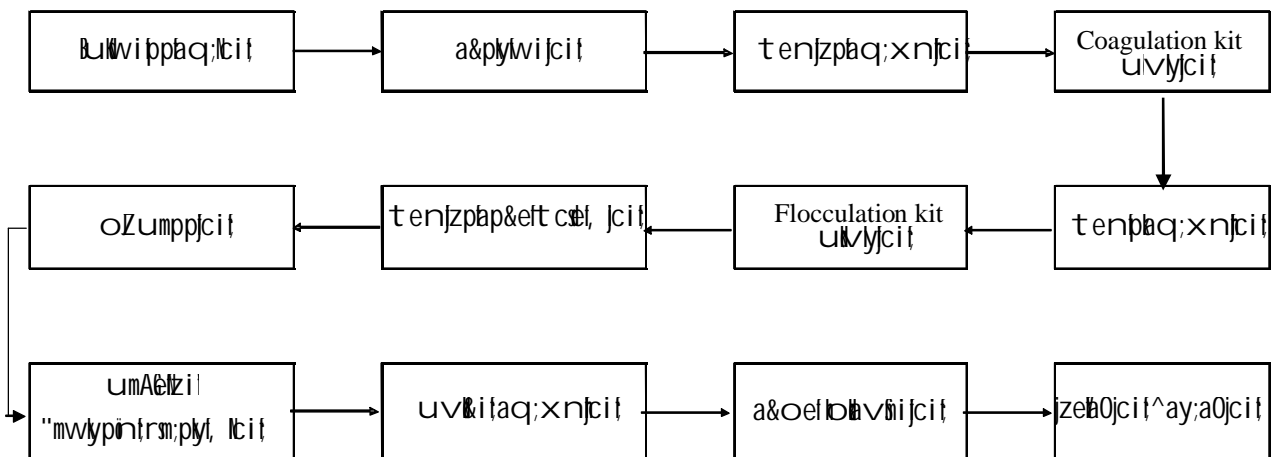
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- (1) a&oe pu\ tajccbabmw&m;rn& 1/2ly&il&f&q&il& &m"mw&ly&ym&it&v&j&ic&it&u&il
    - (u) Coagulation (ten&j&zp&p&e&h&q&x&n&j&ic&it)
    - (c) Flocculation (ten&p&ap&e&h&q&x&n&j&ic&it)
    - (\*) Filtration (o&E&ay&w&il&ten&p&p&l&j&ic&it)
    - (C) Activated Carbon um&A&e&u&iz&w&il a&w&il&aysm&Di&eaom "mw&ly&ym&it&v&j&ic&it
    - (i) (Chlorination) uv&it&ia&q&j&y&m;x&n&il y&low&j&ic&it - w&j&iz&ia&oe&pe&pl&u&il&wn&a&q&mu&x&m;y&gon/
- rs&v&ts&uf pp&ub&n&il (pH 6.5) at&mu&il&haom&t&w&uf to&ly&E&ero&il&v&sm&ly/

- (2) a&oe pu\ vly&a&q&mi&ts&uf



2/ a&oeþuáwúfygúíáom tþwft yúífrsm;

- 1- tayguázmúx; aom yvwþwþfúf (t Oga&mi) E\$ ha&ppft Owþ (trsvf-2)
- 2- búlacgi f&x&ef yvwþwþjci f (teuá&mi) (trsvf-1)
- 3- 20ay &sní vnácsmi fúf E\$ hquáxm; úþom; búlacgi f (trsvf-12)
- 4- jri faumi á& 6. 8 &ð' Z, ft i f\*si E\$ h wúxm; aom yeí (trsvf-3)
- 5- tenjzþápaom? tenþþnfapaom yvwþwþfúf 2 Af (trsvf-4 E\$ h trsvf-6)
- 6- yvwþwþfúf fav; rsm; ygaom yvwþwþft ú n úþéí (aq; a&mpyú&d m) 2 ck (trsvf-5 E\$ h trsvf-7)

7- ygúíáomyúífrsm;

- (u) yúfquácgí fwyúþom; 20ay&sní vnácsmi fúf 2 acsmi f (trsvf-12 E\$ h trsvf-14)
- (c) t zú f t ywAm; ygon h t Oga&mi f yúfquácgí fwyúxm; aom 10ay&sní vnácsmi fúf 1 acsmi f (trsvf-16)
- (\*) teuá&mi f yúfquácgí fwyúxm; aom 3 ay&sní vnácsmi fúf 1 acsmi f (trsvf- )
- (C) tjzla&mi f yúfquácgí fwyúxm; aom 4ay&sní vnácsmi fúf 1 acsmi f (trsvf- )
- (i) tjyma&mi f yúfquácgí fwyúxm; aom 10ay&sní vnácsmi fúf 1 acsmi f (trsvf-9)
- (p) teá&mi f yúfquácgí fwyúxm; aom 10ay&sní vnácsmi fúf 1 acsmi f (trsvf-20)
- (q) tjzla&mi f yúfquácgí fwyúxm; aom 10ay&sní vnácsmi fúf 2 acsmi f (trsvf-13 E\$ h trsvf-17)
- (Z) yúfquácgí fwyúxm; aom tjyma&mi f yúfay smh 80ay&sní pþaygi f 4 acsmi f (trsvf-15)

8- oElygaom tenþþnfúf (trsvf-8)

- 9- a&wúfáysmúíáeaom "gwlyþínfrsm; uúlz, &ð; on h um Á&lygaom Afúf (trsvf-10)
- 10- tenþþníþa&uúúvúíí vútybrú&þxúny; on h uúvúíífaq; xúnfúf (trsvf-18)

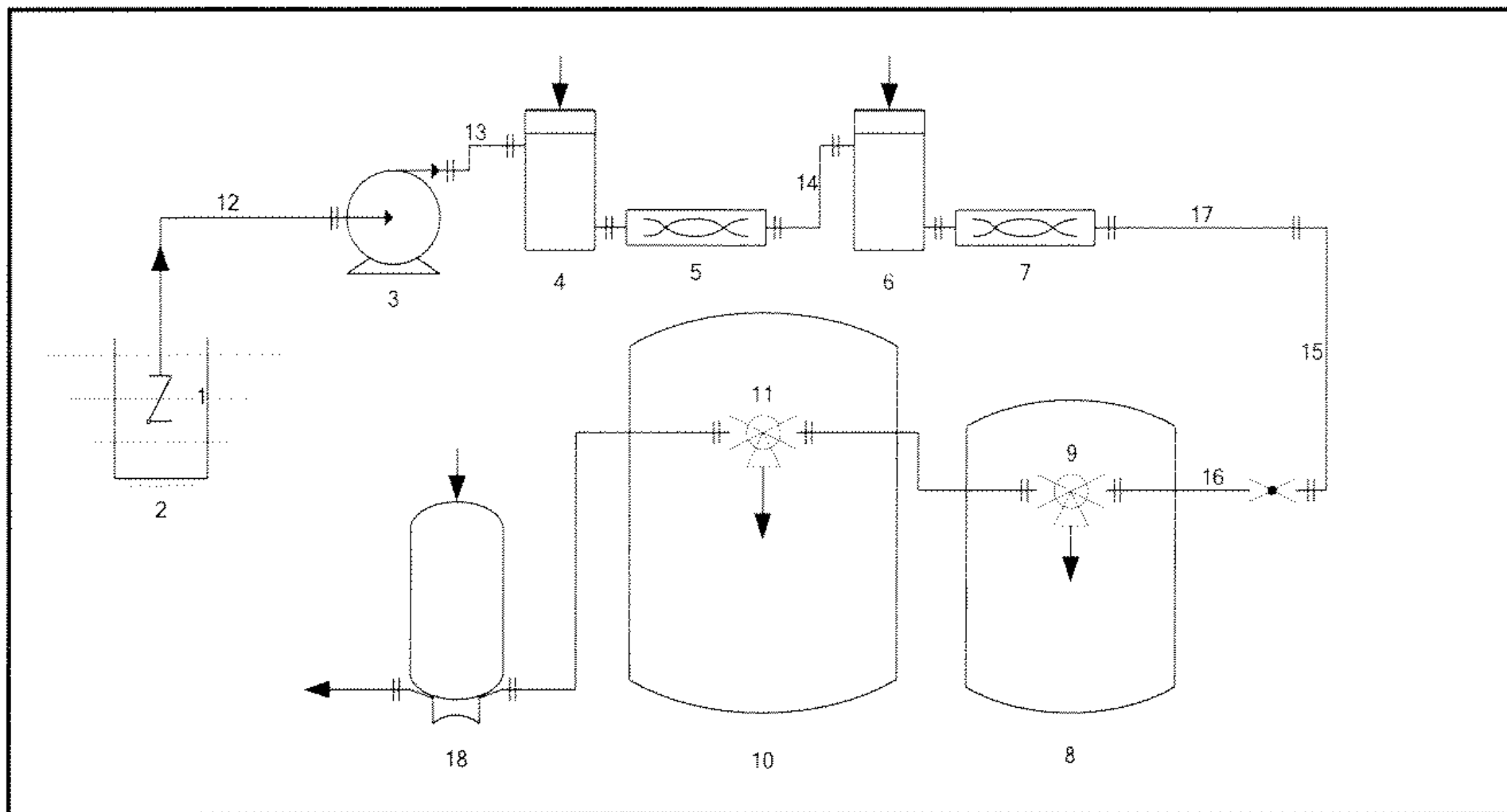
11- Tool Box 2 ck

12- aemuúf; mO E\$ h t ylyþínfrsm; (\*srúwú? t yúþ? rúvúsní vú)

13- uvúíí? pH ? OH (Iron) "gwú t vúfúf rúf (Aluminium) "gwlygúíífríþfóyú&d mE\$ h vútyáom "gwúq; jym; rsm;

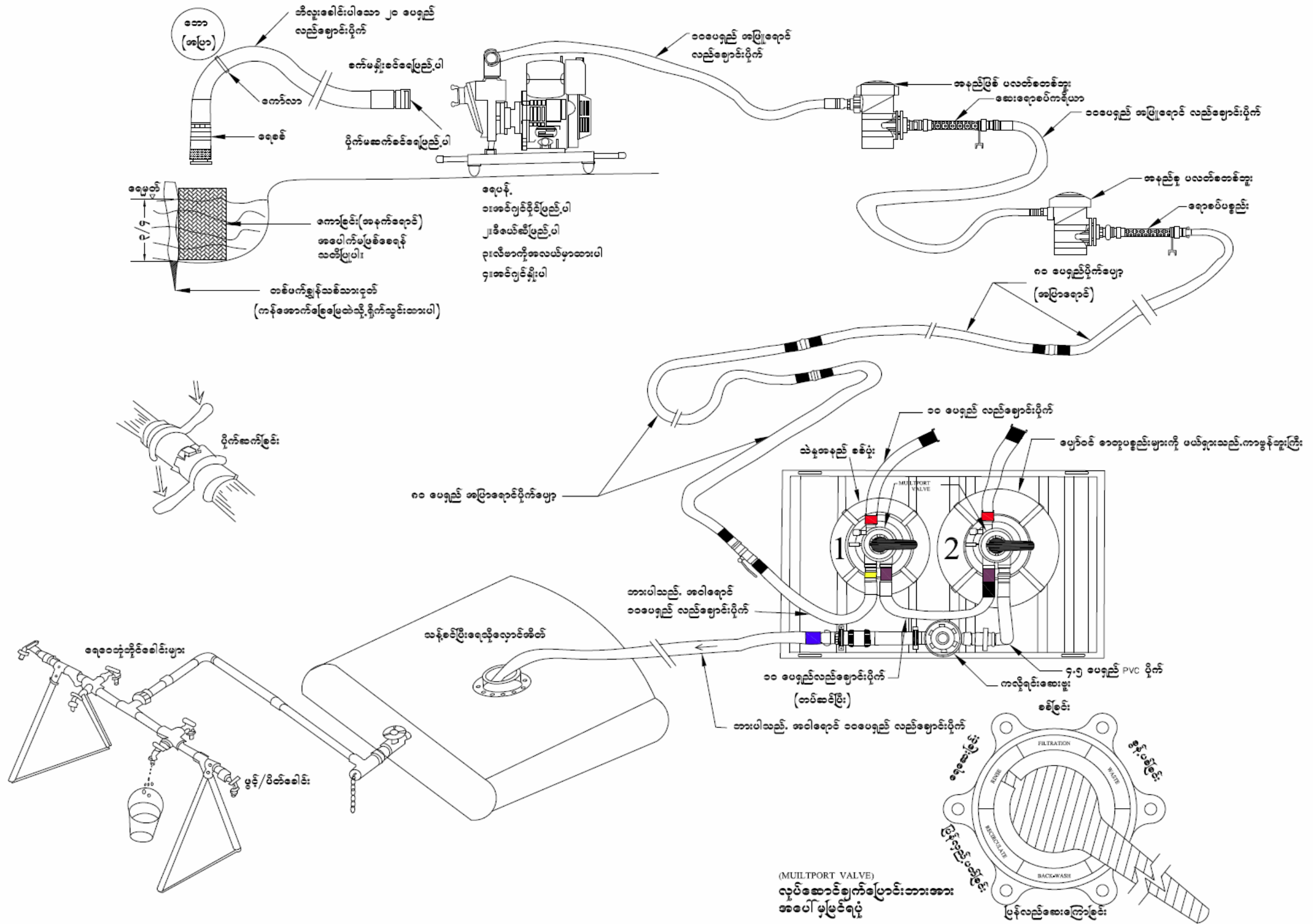
rúvúsuúf / t cú a&oeþuúft wúf aemuúf; mOf wþlygnúf ygrvmyg/  
 aemuúf; mOlygaom vnf t ylyþínfrþúvílyg/  
 uvúíí E\$ h pH ygúííhúþfóyónhú&d mom ygúúwúvónúf

a&oeþupþwyqi ylt qilqih



ylk« 1 »

**ရေသန့်စက်တပ်ဆင်ပုံအဆင့်ဆင့် [ပုံ-၂]**

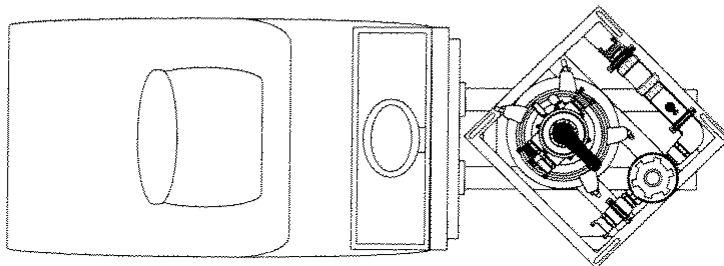
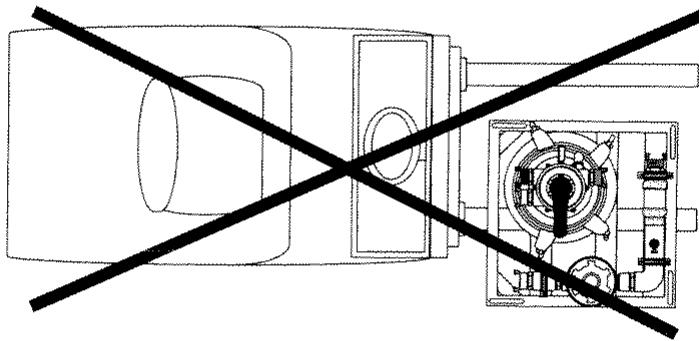
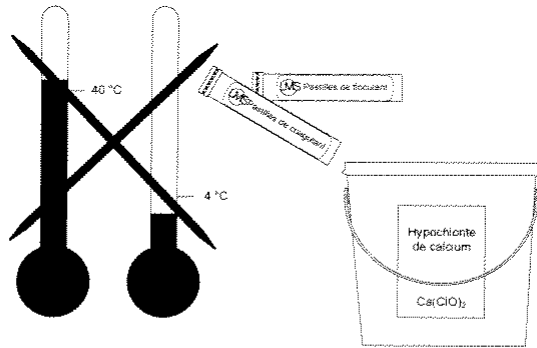


### 3/ a&oeufu o, f, ylbqmi jci f^jyelvnbortqnfjci f

pa&oeufuull o, f, ylbqmi jci f? jyelvnbortqnfjci f rsm; vlybqmi & mü ysufb  
, H G fr&ap&ef a t mulygt csur sm; ull v l u em&evlt yon f

### 3 - 1/ o, f, ylbqmi jci f

- -oA&bu? umA&A&M&Dr sm; t w& fr s v u f u s e& a& r sm; u l e& a t m i f r x l w b l r a& l a j y m i f& /
- -aem u l w& m O u l l u m; j z i l q b n f t c g v s h e l l a o m b d a o; a v; u l t a y: o l l a c q u i w i f y g /  
b d a v; b d t e d& a x m u a v; c u l l v n f a j r f u l w i f x m; y g /
- -aem u l w& m O N O e f u l b q e l l b n h o i f a w m a o m u m; u l l o l l y g /
- -aem u l w& m O u l l F o r k l i f t j z i h r r y g e s H
- -aem u l w& m O N b d a v; b d e s h t y l b d u l l a v a y g i f c a f t l r p p a q; y g /



yl« 3 »

3-2/ jye/vnbnrt/qn/jci f (3 & u/xu/ylyd pu&yem; ygu)

- olt enppAt u/la&oe/jzi h Back-Wash vly/yg/
- olt enppAt ES h u m A&e&ppAt (2) cpv/ x/ s/ v/ u/ e& rsm; u/ v/ KOz, f/ x/ v/ y/ p/ y/ g/
- uv/ i/ faq; x/ n/ At/ x/ w/ f/ Calcium Hypochlorite aq; jym; rsm; u/ e/ z/ y/ gu z, f/ x/ v/ y/ p/ y/ g/
- aq; jym; t/ m; v/ ES h aq; A/ rsm; u/ (Calcium Hypochlorite tablets ES h Coagulant/ Flocculant tubes) ajcmu/ a/ o/ y/ d/ t/ y/ c/ e/ f/ 4 p/ i/ w/ t/ & d/ v/ ES h 40 p/ i/ w/ t/ & d/ v/ L/ m; & e/ & m/ u/ o/ m/ o/ h/ v/ h/ i/ & e/ f/

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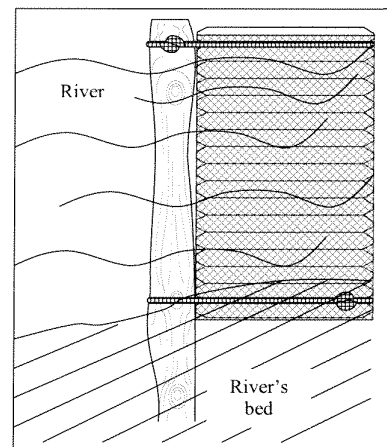
4-1/ ae&mc/sx/m; jci f ES h ajr/yi/ q/ i/ jci f

aemu/v/ s/ m/ O/ u/ d/ ajr/yel/ u/ ae&mc&e/ f/ v/ h/ t/ y/ on/ / ae&ma&f& m/ u/ a& o/ h/ v/ h/ i/ r/ n/ e& m/ a& p/ y/ p/ u/ ES h y/ l/ u/ rsm; x/ m; r/ n/ e& m/ t/ p/ & b/ n/ w/ ES h t/ q/ i/ h/ y/ v/ l/ u/ a/ v/ s/ m/ n/ h/ x/ z/ p/ & e/ v/ n/ t/ v/ h/ t/ y/ on/ / aq; a/ l/ u/ m/ a& rsm; ? a& o/ p/ v/ s/ jci f rsm; a/ l/ u/ m/ i/ h/ A/ u/ r/ x/ a/ p/ & e/ ES h u/ m; jzi/ q/ b/ n/ t/ t/ c/ g/ r/ c/ u/ b/ a/ p/ & e/ f/ o/ i/ h/ v/ s/ m/ a/ o/ m/ a/ e& m/ o/ l/ a& q/ i/ f/ a/ u/ m/ i/ f/ e/ f/ t/ w/ l/ u/ f/ a& E/ k/ w/ a/ j/ r/ m/ i/ rsm; a/ z/ m/ u/ v/ y/ & e/ v/ n/ t/ t/ a& ; b/ u/ d/ a/ y/ on/ / a& a/ v/ h/ i/ t/ w/ b/ n/ v/ n/ t/ b/ l/ b/ l/ a/ c/ gi/ rsm; x/ u/ f/ 3/ a/ y/ c/ e/ f/ t/ e/ n/ i/ q/ u/ y/ h/ i/ r/ i/ h/ e& e/ f/ v/ h/ t/ y/ g/ on/ /

4-2/ p/ e/ p/ i/ w/ p/ c/ k/ v/ & d/ t/ p/ w/ f/ t/ y/ l/ rsm; q/ u/ p/ y/ i/ w/ y/ q/ i/ jci f

y/ x/ r/ O/ p/ h/ a& x/ u/ O/ g/ o/ h/ [ k/ v/ i/ o/ p/ i/ k/ v/ i/ w/ p/ a/ c/ s/ m/ i/ f/ p/ l/ u/ y/ d/ a& p/ p/ z/ u/ m/ jci f (t/ r/ s/ v/ f-1) u/ d/ x/ w/ i/ l/ u/ u/ y/ f/ c/ s/ n/ y/ g/ z/ u/ m/ jci f/ on/ f/ a& u/ 3^4 (a/ v/ ; y/ l/ b/ y/ l/ c/ e/ f/ e/ p/ j/ r/ l/ y/ a/ e/ y/ g/ a/ p/

yl « 4 »



b/ v/ t/ a/ c/ gi/ f/ w/ y/ q/ i/ f/ x/ m; a/ o/ m/ 20/ a/ y/ & s/ h/ v/ n/ a/ c/ s/ m/ i/ f/ y/ l/ u/ (t/ r/ s/ v/ f-12) u/ d/ , l/ i/ a& j/ z/ n/ y/ d/ b/ v/ t/ a/ c/ gi/ f/ u/ d/ z/ u/ m/ jci f/ t/ e/ u/ f/ x/ b/ l/ v/ n/ f/ a/ u/ m/ i/ f/ ? t/ j/ c/ m; w/ p/ z/ u/ l/ u/ d/ y/ e/ (t/ r/ s/ v/ f-3) u/ v/ n/ f/ a/ u/ m/ i/ f/ w/ y/ q/ i/ f/ y/ g/ b/ v/ t/ a/ c/ gi/ f/ on/ f/ u/ e/ a/ t/ m/ u/ h/ a/ j/ r/ s/ t/ e/ n/ i/ q/ u/ 6/ v/ u/ r/ c/ e/ f/ u/ h/ a/ 0; a/ e/ a/ p/ & e/ f/ t/ j/ y/ m/ a& m/ i/ h/ a/ b/ m/ ES h a/ u/ m/ i/ v/ m/ u/ d/ u/ e/ a& r/ s/ u/ E/ h/ i/ y/ i/ ES h i/ c/ e/ b/ q/ w/ y/ q/ i/ f/ y/ g/ y/ e/ k/ b/ l/ v/ n/ t/ x/ u/ f/ a/ y/ g/ u/ f/ r/ s/ v/ q/ i/ h/ a& t/ j/ y/ n/ j/ z/ n/ y/ g/

t/ j/ z/ l/ a& m/ i/ f/ 10/ a/ y/ & s/ h/ v/ n/ a/ c/ s/ m/ i/ f/ y/ l/ u/ (t/ r/ s/ v/ f-13) \ w/ z/ u/ p/ u/ d/ y/ e/ l/ a& x/ u/ f/ a/ y/ g/ u/ ES h v/ n/ f/ a/ u/ m/ i/ f/ ? t/ j/ c/ m; w/ z/ u/ l/ u/ d/ t/ e/ n/ j/ z/ p/ a/ p/ a/ o/ m/ aq; x/ n/ At/ (t/ r/ s/ v/ f-4) \ t/ o/ i/ D/ E/ S/ h v/ n/ f/ a/ u/ m/ i/ f/ q/ u/ b/ c/ f/ y/ g/ p/ At/ on/ f/ t/ e/ n/ j/ z/ p/ a/ p/ r/ n/ h/ y/ x/ r/ At/ y/ i/ z/ p/ on/ / 4/ i/ f/ At/ \ t/ x/ u/ ES h



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#### 4-3/ aq; xnAt rs; ü xn&ef "gwlaq; jym; rs; u&h&fcs, jci f

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pa&oeput w&f t ohy&rn h "gwlaq; 4 rs&fygon/

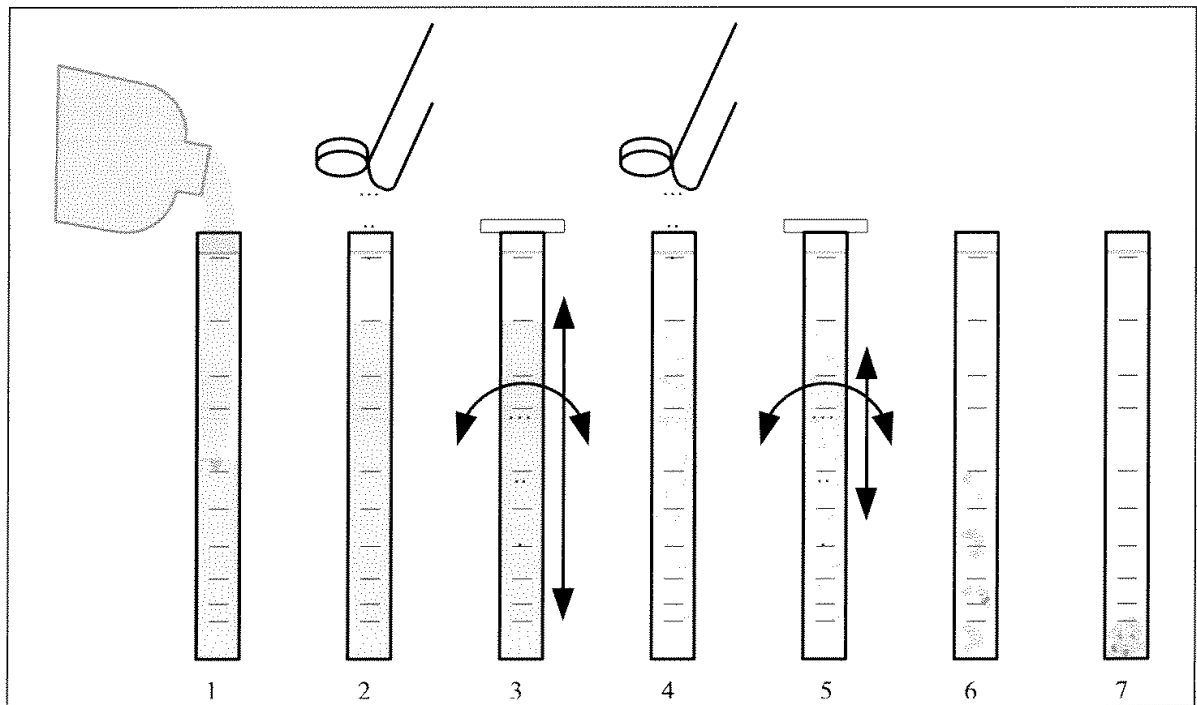
- 1/ Alufloc (SA) Aluminium Sulphate (aq; jym; -1)
- 2/ Ferufloc (SF) Iron Sulphate (aq; jym; -2)
- 3/ Aniofloc (2A) (aq; jym; -3)
- 4/ Catiofloc (1C) (aq; jym; -4)

yxraq; xnAt(trsvf4)wGf Alufloc (SA) o& [ kwf Ferufloc (SF) wpc&ulu 10jym; xn&rn/ ' kvd aq; xnAt(trsvf6)wGf Aniofloc (2A) o& [ kwf Catiofloc (1C) wpc&ulu 5 jym; xn&rn/ y&eft m; jzi h aq; xnAt wpc&ulu wGf aq; wpr&om xn&rn jzpaom vni t&h&rs; tw&f aq; (2)rs& a&mpy&wvfygon/ , ifol vht yfygu yxraq; xnAt wGf

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- 4- a&ujzpay:vm&aom&tenft&zw&u&dr&m;r&f&a&Mun&vi&f&w&u&lr&sv&om;y&g/



yll« 5 »

5- penft&w&ll&f&aq;jym; 1 ES&h&4? aq;jym; 2 ES&h&3? aq;jym; 2 ES&h&4? aq;jym; 1 + 2 ES&h&4? aq;jym; 1 + 2 ES&h&3? aq;jym; 1 + 3 ES&h&4? aq;jym; 2 + 3 ES&h&4 t&p&bjzih&aq;twf&r&sr&st&u&ll&v&shy&w&ob&ps&prfoym&un&ly&g) a&t&Mun&vi&f&q&ES&h&tenft&zw&it&u&dr&m;q&jz&p&apon&haq;twf&u&ll&a&cs, b&h&p&y&grn/

- 6- prfoyr l wpbur hly d wll f zefy e ul Brush jzi h aocmp h aq; a l M mly Dr Saem u l wpbur h prfoyr j y k vly & ygr n /
- 7- t x l o w j y l e r h aq; t w f r s m; prfoyr l j y k vly & m w G f y x r t q i E S h ' k w d t q i h w f t o h y l a o m a q; r e h p p l a y g i f y r m P r h prfoyr l w p b u r h E S h w p b u r h w w E h f o r d t e p y q h w h a t m i f c e q p r f o y r l j y k v l y & y g r n /
- 8- a t m u l y a q; t w f 9 w f h prfoyr l u n b i h a o m a q; t w f r s m; j z p l y g o n /

aq; t w f	y x r t q i h (j y i f x e p h v l y & e)	' k w d t q i h (o m r e b m v l y & e)
1	aq; j y m; - 1	aq; j y m; - 3
2	aq; j y m; - 1	aq; j y m; - 4
3	aq; j y m; - 2	aq; j y m; - 3
4	aq; j y m; - 2	aq; j y m; - 3
5	aq; j y m; - 1 + 3	aq; j y m; - 2 + 4
6	aq; j y m; - 1 + 4	aq; j y m; - 2 + 3
7	aq; j y m; - 1 + 2	aq; j y m; - 3 + 4
8	aq; j y m; - 2 + 3	aq; j y m; - 1 + 4
9	aq; j y m; - 2 + 4	aq; j y m; - 1 + 3

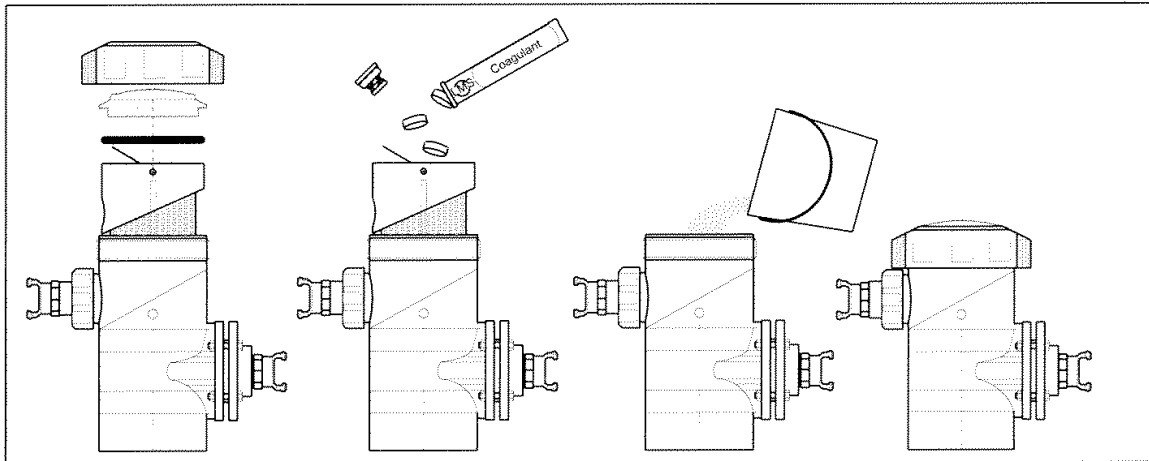
v u l a w b u l a o m t a w t t b u l t & a & M u n i v i p h x l u v m l y D r S r e p t e n t i , f t M u m w G f a & t O g a & m i b e f v m y g u a q; A t r s m; x l w G f a q; u l e b h; i j z p E h l y g o n / x b j z p l y g u a q; A t x b l o u q h l & m a q; j y m; u l 2 q x n l y D t i f s i p u l u l v A m t e n t i , f a v o l c j c i j z i h v n l y w r h E S a p u m t e n j z p r l t e n p p n i r t w l f t c e l y & i a & M u n i v i p h x l u v m r n /

4-4/ t e n j z p a p a o m A t E S h t e n p p n i f a p a o m A t t w f o l l a q; x n j c i f

a & f c s, h y d a o m a q; t w f t w l l f y x r t q i r s a q; (1 r s d o l l 2 r s d) p p l a y g i f 10 j y m; u l t e n j z p a p a o m a q; x n A t ( t r s v f 4) t w f f o l k n l y g ' k w d t q i r s a q; (1 r s d o l l 2 r s d) p p l a y g i f 5 j y m; u l t e n p p n i f a p a o m a q; x n A t ( t r s v f 6) t w f f o l k n l y g /

a q; x n l m w G f A t t z h u l e m & d v u l w h j y m i f j y e f t w l f v s h z G l y g / t w f f r s y v w p w p f t z h t M u n E S h & m b m u G f u l a o c m p h z, f x l w l y g / A t t w f f r s y v w p w p f c i f u l q b k w f i a q; j y m; r s m; u l v u l a w p r f o y c s u r s & & v m o n h a q; j y m; t w f t w l l f t x u l w G f a z m f y o v l t a & t w l u E S h t r s t r n f u l o u b q h l & m A t t w f f r e l u e a t m i f x n l y g / , i f a e m u f A t t w f f & t o i f y l u n t j r i h a m u b n f t x d o e p i r n h a j z i h j z n l y g / x h e m u f & m b m u G f u l v l l M u m; t w f f o l t r n l u r s m; o e p i n y D a o c m p h j y e f x n i t z h u l a o c m u s e p h j y e l y w l y g / a q; x n A t 2 c p v h u l t x u l y g t w l l f a q; x n l y D 10 r e p f t M u m w G f p w i f i a & o e l p u l u l p r f o y a r m i f E S E h l y g l y D p u a r m i f E S f i r e p f t w e M u m v G f a q; A t t w f f & a q; y r m P u l

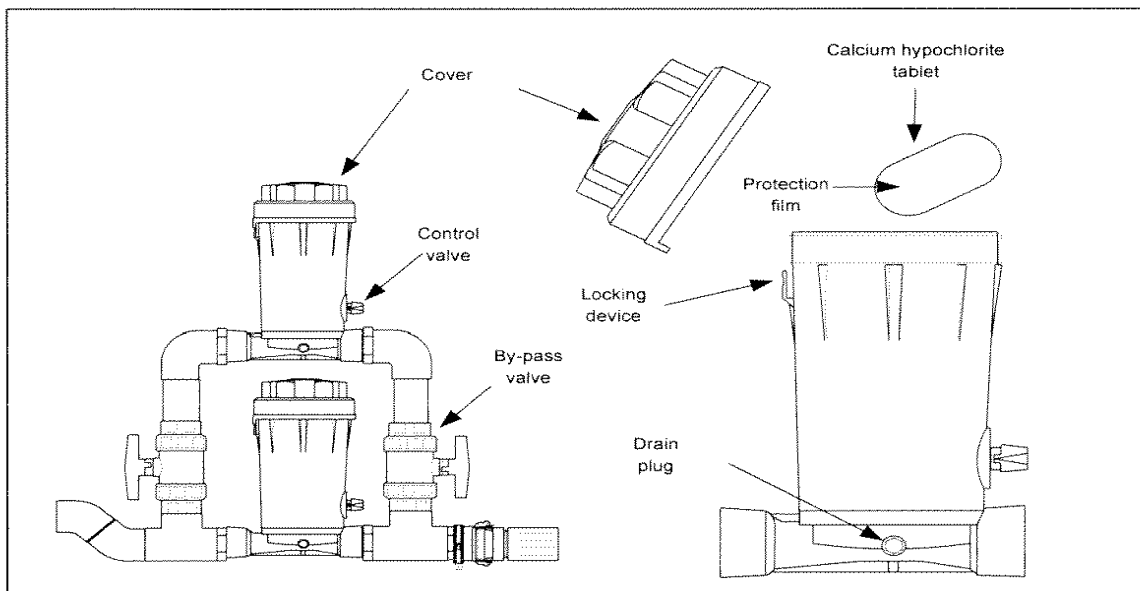
jyelvnpbaq;ay;y/ aq;At twf wfi aq; tenfql rlvxnfm; onh yrmP\ xuDu f  
 tjr&e&rn/ aq;yrmP xuDu tebm use&lygu xyrfznwifnyDrSpufulyelvnarmi fES f  
 yg/ aq;xyxnbnht cefwfi puulvKO&yem;nyDr som aq;At zH t zG htywvlyjci f ul  
 aqmi&Glyg/ wplyH lwnfwfi aq;At ES jci f twfi trlur sm; tenf sm; &lygu , ifwul  
 z, lxwlyDrSaq;xnlyg/



yl« 6 »

4-5/ uv&i faq;xnjci f

300 \*&rft av; cefwom u, fmp) H luyuvwuf aq;wH 3 wul uv&i f  
 aq;xnAt(trswf-18)\ tay:At ES h at muAt ES ckwtwfo knlyg/ , ifAt\ t zH ul  
 zG Bmü Locking device ul vujzi zlyD em&vuwlyjmi f jyeft wH f vshzG lyg/ jyelyv&m  
 wf lvnf uvpl[ Jrnb lum; &bm vshlyv&ygrn/



yl« 7 »

4-6/ t i f s i E S h y e l w y f q i f t o h y l j c i f

t i f s i p u r a m i f E S h t o t i f s i D i l E S h ' U , l q d & f r & p p a q ; l y d o i l a w m b a o m  
 Level & f s p u l u h m i f E S h y / y e l t h a & c l & e r v h a o m y e l j z p a o m l v n f p w i f t o h y l m w o f  
 Suction pipe (a & p l y l u ) x b l a & t j n j z n l y d r o m a m i f E S h y /

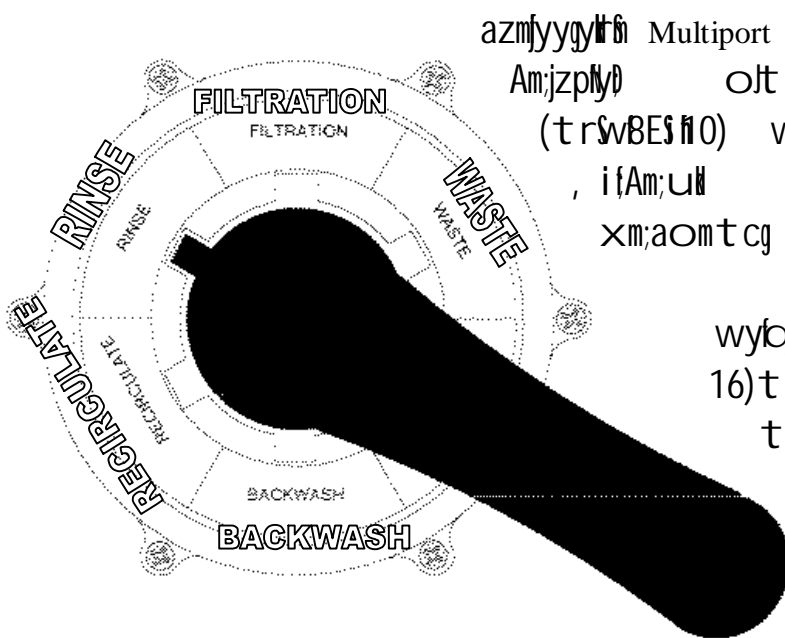
5/ a & o e l x k w l v j c i f

5-1/ j y i f q i j c i f ? p p a q ; j c i f E S h p r t o y a r m i f E S j c i f

10 a y & s h f t e d & m i f y l u q u a c g i f w y f q i f x m ; a o m v n a c s m i f y l u ( t r s w f 20 ) u l l  
 o l t e n p p A t \ t e d & m i f y l u q u a c g i f t o E S h q u f y g / o l t e n p p A t \ v l y a q m i t s u f  
 a j y m i f A m ; u l l R I N S E ( a q ; a l l u m j c i f ) v l y a q m i t s u l w o f x m ; y g / t O g a & m i f y l u q u a c g i f  
 w y f q i f x m ; a o m v n a c s m i f y l u ( t r s w f 16 ) \ t z o f i t y w A m ; o n f y o b a e & r n l / x b l q l w o f  
 p u E l l & e f t o i j z p l y d o h o m i a t m u f y g t c s u f s m ; u l l x y f r p p a q ; y g /

- 1- a q ; x n A t ( t r s w f 4 E S b ) w l w o f a q ; j y m ; r s m ; x n h l y d ^ r n l y d
- 2- u v & i f a q ; x n A t ( t r s w f 18 ) w o f a q ; j y m ; r s m ; x n h l y d ^ r n l y d
- 3- t i f s i E S h y w b u a o m a q m i f & l u & e r s m ; ( ' U , t i f s i D i l l a & j z n & e ) l y d ^ r n l y d
- 4- a e m u l w f m O f t a e t x m ; E S h t a j c t a e w n l l t r l & f r & d
- 5- v l t y a o m a & E l w a j r m i f r s m ; a q m i f & l u f l y d ^ r n l y d
- 6- a & a v h i f t w l f o w f s w l x m ; a o m t j r i h & f r & d
- 7- b l b l l a c g i f o l l v D i f x l u l v r l t q i h a j y r l & f r & d

t x u f y g t c s u f s m ; E S h j y n p l y g u p u p w i f a r m i f E S E l l y g l y d



a z m f y y g l t h Multiport Valve a c : v l y a q m i t s u f a j y m i f  
 A m ; j z p l y d o l t e n p p A t E S h u m A e b a & p p A t  
 ( t r s w B E S f i 0 ) w l l x y l w o f w y f q i f x m ; y g o n l  
 , i f A m ; u l l R I N S E v l y a q m i t s u l w o f  
 x m ; a o m t c g y e l s p l y w i f m l u b a o m  
 a & o n f t O g a & m i f y l u q u a c g i f  
 w y f q i f x m ; a o m v n a c s m i f y l u ( t r s w f  
 16 ) t w l l o l t e n p p A t ( t r s w f 8 )  
 t w o f o l l O i b a & m u f t w o f & d  
 o h s m ; u l l j z w b e f t e n p p l y d  
 t e d & m i f v n a c s m i f y l u ( t r s w f  
 20 ) r j y e l v n p e x k w l r n l  
 j z p l o n l p u l u p w i f a r m i f E S f

v o l p R I N S E a c : a q ; a l l u m j c i f v l y a q m i t s u f j i t o m p w i f a r m i f E S & r n l /

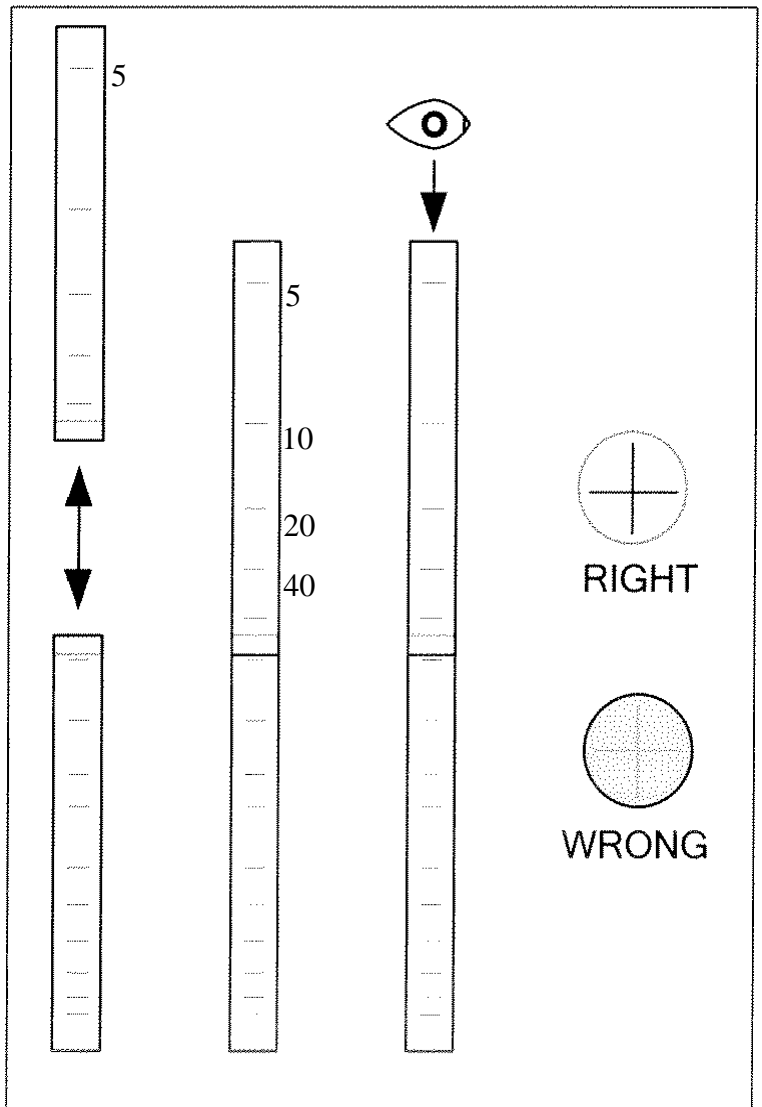
yl« 8 »

puFu puw i f a r m i f E S y g / a & o n f t e d a m i f v n a c m i f y l u r S x u f v m r n / x b l a r m i f E S h y d  
 10 r e p c e f t l u m w o f i t e d a m i f v n a c m i f y l u r S x u f v m a o m a & u l l y h z i c h i a a e m u f u s h w i f  
 u & d m i z i h p p a q ; & y g r n / , i f o l t m ; j z i h r i d a & c s , c h a o m a q ; t w f t p y E S h t a & t w u b o n f  
 a & u l t e n i u o e p i & e f x a & m u r & r & v u a w b o & e l l b o n f t j y i f a q ; a & c s , f r h ; , G f c y g u  
 v n f a & u l t j y i b o k k w f x m ; c b j z i h u A e a & p p A t u l l v n f r x c l u E l l y g /

5-2/ a&aemufustprfoyyh

a&aemufusthwlif zefyef 2clull  
 qulyg yhzi chkm; aoma&ull zefyef  
 ay:& 5 trsvftom; a&mu bnf  
 txjznlyg zefyef\ tOraei  
 atmubajc& + trsvftom; ull Munh  
 yg/ Munvi jywom; pñ jri & ygu  
 a&aemufustbnf 5 xu enfi  
 aq; twES h tif\*si NjreEefonf  
 tohykrna& twuf oi lavonf  
 r& luefyonf

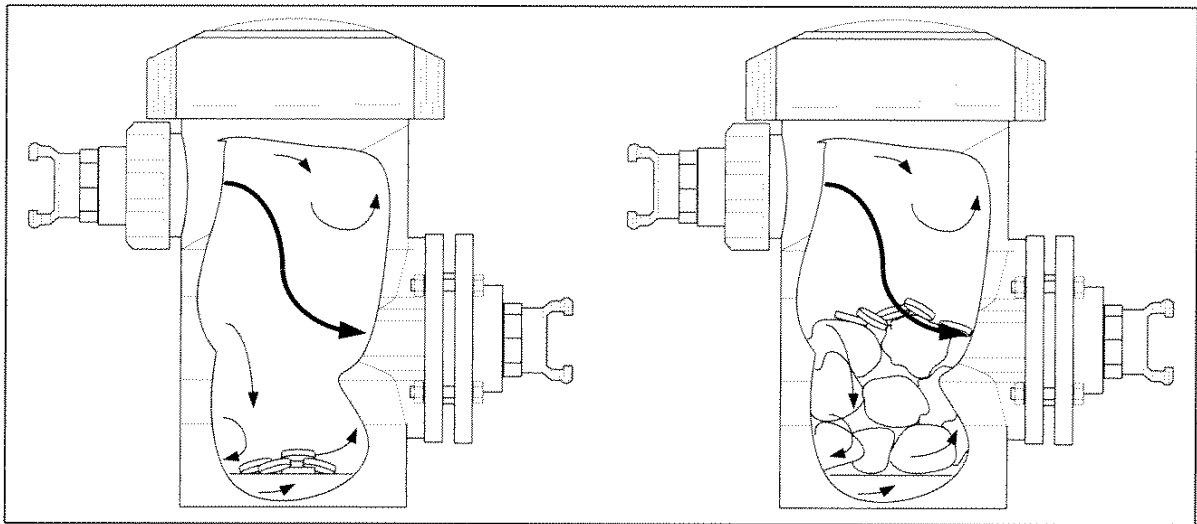
tu, i + trsvftom; ull  
 Munvi jywom; pñ jri & ygu zefyef  
 twifr& tenfi, p l u l l Munvi f  
 jywom; pñ jri & onft xd wajz; ajz;  
 csi fo&elypyg/ a&a&mu&eaom trsvf  
 ulkwlyg/ (u) a&\aemufustbnf  
 5ES h 10lum; & ygu tif\*si NjreEefull  
 tenfi, p l a v o n f a&aemufust  
 yrmP 5 a&mu bnf t x d a v o n c s y g /  
 a&aemufust yrmP 5 & ygu  
 a&oe l u l p w i f x w f v l y E l l y g y d



yl« 9 »

(c) a&aemufustbnf 10 ES h 40 lum; x a & m u a e y g u p u f u y e m ; y g / y x r e n f t a e j z i h  
 t e n j z p a p a o m a q ; A t E S h t e n p p n f a p a o m a q ; A t r s m ; t w f f o l l a q ; j y m ; t e n f i , p d ( 2  
 j y m ; ? 3 j y m ; ) x y r h k n a y ; l y d p u f u y e f v n a r m i f E S y g / , i f o l a q ; x y r x n h w o f ' k w d e n f  
 t a e j z i h a t m u f y g h t w i f a q ; A t r s m ; t w f f & d a q ; j y m ; w l l t j r i l u l j r s a y ; y g / x b j r s a y ; & e f  
 p u f u y e y g / a q ; A t r s m ; \ t z h u l e g y g / a q ; j y m ; x n h a o m j c i f u k k w y g / j c i f t w f f r a q ; j y m ; r s m ;

uikwiypliyd jciitwofoll aumuchsm;ul tjrih 1 vufES h 2 vuf tMum; a&mu f  
 atmi jznlyg/ , ifausmuchs; tay: rSaq; jym; rsm; ullye x nlyg/ Nydaemu jci f u llaq; At t wof  
 jye f ae&mwux nlyd &mbmu f ES hit zhuu aocsmusepbi jye l wli pulu jye l v narmi f ES f  
 Ell ygon f



yl « 10 »

t xuygen f ES pckte u f S ES bouft qi ajy&ment f (1) rduu t o llyki pulu jye l v n  
 armi f ES lyg/ armi f ES lyd 5 repce l t M u wof te d&mi l v n a c s m i f y l u f s a & u k y r i t t h l i  
 a&aemu l u s t u l p p a q ; y g / a&aemu l u s t y r m P u l 5 & a p & e f t w u f t i f s i j r e E b t u l  
 x e f n d v l y a q m i f y g / a&aemu l u s t y r m P 5 & y g u a & o e l u p w i f x k w l v l y E l l y g l y d

, i f o l l p r f o y a e p o l w o f a & y l u f t q u i r s m ; ? a q ; A t t z h r s m ; ? a & m p y l u & d m y l u q u i r s m ;  
 p o n h a & o i f x u b o n ; v m & m v r f w a v o u f a & , p o t r i r & d r d w p l y l i l w n f p p a q ; y g / a & , l y g u  
 p u l u & y e m ; i j y e l v n f y l y i l y d r s o m a & a e m u l u s t u l l q u l v u p p a q ; y g /

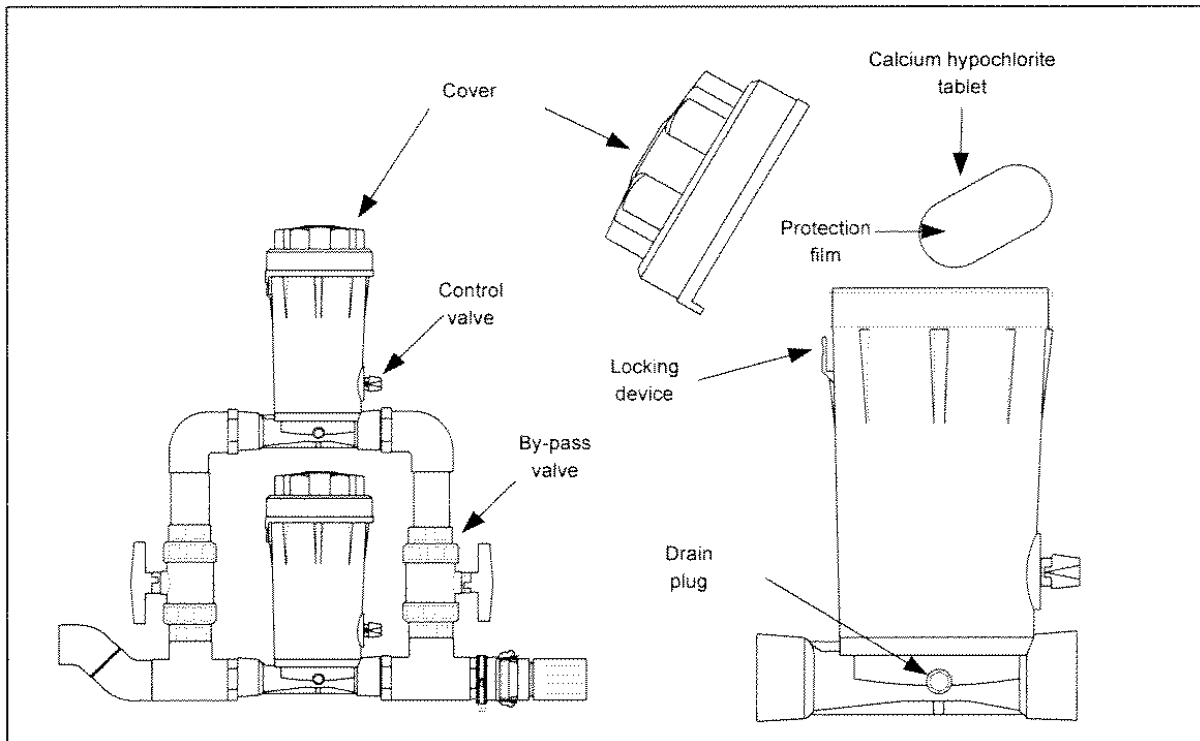
### 5-3/ a&oe p w i f x k w l v l y j c i f

t i f s i l u l l & y l y g / o l t e n p p A t ( t r s v f 8 ) E s h u m A e h a & p p A t ( t r s v f 10 ) w l t a y : & d  
 M a n o m e t e r a c : y & u & n \* d w l r s m ; u l z w & l y g / y & u & n o t r s v l w f i j y & y g r n f / , i f a e m u f  
 4 i f A t w l l d v l y a q m i f s u b j y m i f A m ; 2 c k u u l l F I L T R A T I O N ( a & p p j c i f )  
 v l y a q m i f s u l w o f x m ; y g / t j y m a & m i f v n a c s m i f y l u f ( t r s v f 9 ) E s h a & a v n i f t d w l u l l y l u l w l z i h  
 a o c s m p o q u b o f l y g / x l b q u b o f i r n h y l u E s l y l u f q u a c g i f w l u l l a o c s m p o e p i l y d r s  
 q u b o f l y g / t i f s i p u l u l E l l y g / o l t e n p p A t & d y & u & n \* d w l w o f 0.3 r s 0.5 b m ; ( 0.3 r s 0.5  
 b a r ) t w o f j y & y g r n f / u m A e h a & p p A t & d y & u & n \* d w l w o f 0.2 r s 0.3 b m ; ( 0.2 r s 0.3 b a r )  
 t w o f j y & y g r n f / p u l a r m i f c e r p i o e p i l y d a o n f a & a v n i f t d w l t w o f o l l p w i D i f  
 a & m u a e l y j z p o n f

, iftajtaetwif repf 30cef tMumwof a&avhifftwif tx&urs a&ull aemufufi prfoymunfyg/ aemufufi yrmP < 5 jzp&ygrn/ uv&ifygOifruulvnf pp&aq;munfygu uv&ifygOifrl 0.5 ES h 1.0 mg/l Mum;&&rn/

5-4/ uv&ifaq;At

uv&ifygOifruulvnf yf&ft m; jzi h 0.5 mg/l ywDefusi wof 1/2&ygrn/ , if yrmP&1/2&ef tw&ufatmufygtwif c&fqEllfygon/



yh« 11 »

yf&ft m; jzi h pu&armi fES p wof uv&ifaq;At (2) Atv&ull Am; zof x&m; &ygrn/ o&omf &&&vmaom oepi&ya&\ uv&ifyrmPonf 1.0 mg/l xuba&mbeygu tay: A&ol tO&Am; ES h tay: A&rs tx&u&Am; By-pass valve (2) c&v&ull y&w&yp&ygrn/ , ifaemuf atmu&Atw&AtwnfES h uv&ifu&ll c&fqxn&ygrn/ uv&ifa& (2) Atpv&wof uv&ifyrmPc&fq on&v&wf (Control valve) At\ ab; wof yg&fygon/ yf&ft m; jzi h (2) Atpv&\ c&v&wf ul& ely&w&f 2 wof x&m; ygon/ o&omf v&lt y&ov&ll tw&lt av&mh&ly&ay; jci&f jzi h a&wof ygOifaom uv&ifyrmPu&ll x&fn&ellfygon/ tu, fi uv&ifaq;At (1) At(atmu&At) wnf& jzi h v&h&v&u&fomyrmP&1/2&ellfygu aemif&t c&gr&sm; wof a&ply&, h&n&uef rajymif&rcif tay: A&ol&aq; xn&ef rv&h&w&myg/

5-5/ Al ES h Fe ygOifrl

, c&pu&wof t&oly&kon&ft en&jz&p&a&oma&q; jym; 2 r&f&ri Aluminium aq; jym; (1) ES h Ferrous (Iron) aq; jym; (2) w&wof t&aj&cy&az&mp&yx&m; ygon/ x&h&Mumi h&rv&roepi&ao; aom a&\ Al ES h Fe (Iron) ygOif yrmPu&ll WHO (ur&h&uef&ma& t&z&\ p&h&ef ES h c&fq pp&aq; yf/ Aluminium aq; jym; ul& t&oly&kygu aq; jym; \ "mw&kt me&bi&h&Mumi hoepi&ya&wof



Aluminium ygOiflyrmP yHjriirm;vmrn/ xltwl Fe aq;jym; tokykygu oepiNyda&wG f Fe (Iron) ygOiflyrmP yHjriirm;vmrn/ xltwlumi hrvroepi&aoma&wG f Al ES hFe ygOifrlulprfoylyD rnfonaq;jym; ohoibnfulc&qetlygon/

5-6/ pH webll (Level)

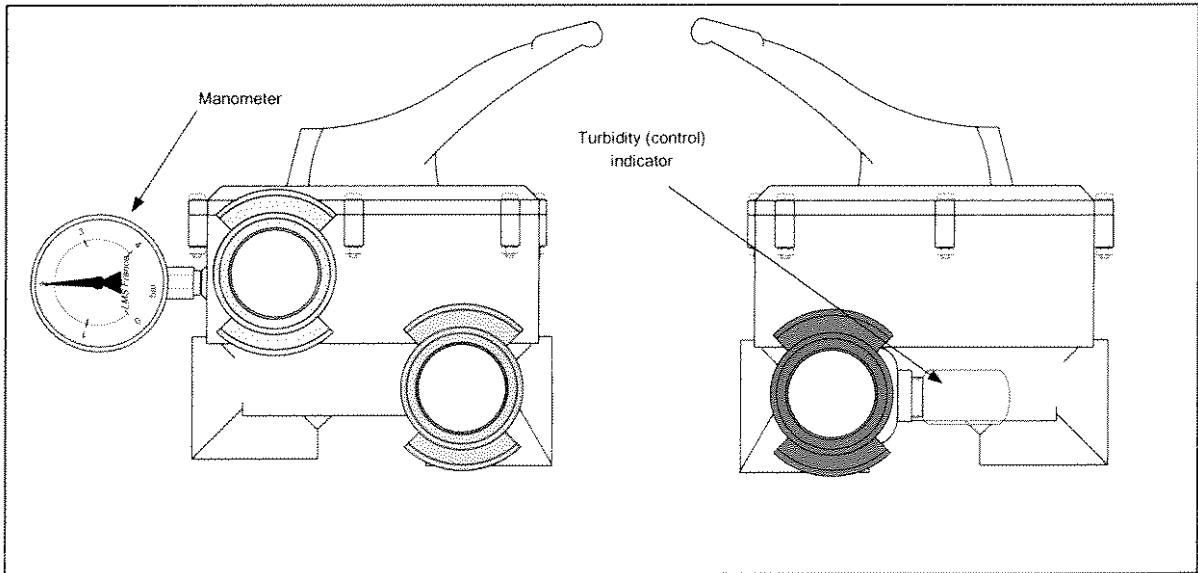
aq;jym;rsm; tokykyci faLumi h oepiNyda& \ pH webll(Level) rfi rvroepi rlu pH webllxufyHnfoin;rnjzpbnf/ who (urhusefma&t zll\ ph&et&1/2bilbnha&\ pH webllrfin 6.5 r8.5 twGfjzpygon/ taumifqH pH webllrfin 7 jzpygon/ rvuef a&onf pH webllri h&eygu aq;jym;rsm;u pH webll erhapojzi h oepiNyda& \ pH webll onf 6.5 r8.5 twGf abmi Di h&eygu tqi h&yygon/ rvuefa& \ pH webll er h&eygu (Oyrm 6.5) aq;jym;rsm; tokykyci jzi h pH webll yHnfoin;rnjzprfi (Oyrm 6.3) pH webll abmi fO i E h&awmlyg/ xltwlumi h rva& \ pH webll ul O p h wll f w m l u n l y D pH webll 6.5 ES h&t muft wuf pa& oepu l u l t o h r j y k o i l y g /

6/ olt enppAt; ullyefvnaq; aLumjici f

oepirna& \ aemufu sh&y: rwnfi pu l u l t o k y k o n h t c e f t w l l f t w m w p c l u m v u f o l t e n p p t l t w G f & b r s m ; o n f p p l , l x m ; a o m t e n f r s m ; j z i h y d v q l y D o l t e n p p A t \ t a y : & d y & u & b n \* w l r s w j z n l j z n f , y & u & b n w h r i f y v m r n j z p b n f / y & u & b n \* w l r s w e z h 2.0 b m ; ( 2 b a r s ) j y v G f p u l u l w o & y l w e l l j y e f v n a q ; a l u m j i c i f j y l y d r s o m q u l v u f t o k y l e r n f / j y e f v n a q ; a l u m j i c i f r j y l b l t o h r j y l e y g /

yxrtqih jye f v n a q ; a l u m e f t w l u f p u l u l y l y g / o l t e n p p t h a y : & d v l y a q m i f c s u h j y m i f A m ; u l l B A C K W A S H ( j y e f v n a q ; a l u m j i c i f ) v l y a q m i f c s u l w G l x m ; y g / j y e f v n a q ; a l u m e f t w l u f o e p i N y d a & ( a & a v n i f t w l t w G f r a & ) u l b m t o k y l e r n f / a & a v n i f t w l r s a & u l l y e j z i p l y f , r n j z p r i a & a v n i f t w l \ a e & m a y : r w n f i y e l u h e & m a & l a j y m i f e l v l t y l y g u a & l a j y m i f y g / y e l \ a & p l y l u l u l a & o e j z i b e r s f a & j y k v l y f i a & a v n i f t w l j z i h q u b G l y g / y e l \ t x l u z u l u l A m ; y g o n f i t O g a & m i f v n a c s m i f y l u ( t r s w f - 1 6 ) j z i h q u b G l y g / , i f y l u l \ t j c m ; w p z u b n f o l t e n p p A t \ t O g a & m i f y l u q u l w G f e \* l r v t w l l f w y l v s u b m ; & & r n f / , i f o l l w y q i & e l t u h t a 0 ; r n l y g u t j c m ; y l u l w p y l u l u l o e r s f a & j y k v l y f i q u b l e l l f y g o n f / t e h & m i f y l u f q u l w y q i l x m ; a o m v n a c s m i f y l u ( t r s w f - 2 0 ) u l l o l t e n p p A t \ t e h & m i f y l u q u a c g i f E S h q u b G l a y ; y g / , i f y l u r s a q ; a l u m l y d a & r s m ; x l u l v m r n j z p b n f /

, i f a e m u f u m A e h & p p A t & d v l y a q m i f c s u h j y m i f A m ; u l l B A C K W A S H ( j y e f v n f a q ; a l u m j i c i f ) v l y a q m i f c s u l w G l x m ; y g / x l h e m u f t i f \* s i l u E n l y D v A m u l l a j z ; n s f p h w i h a y ; y g / v A m u l l q u l w i l y g u o l t e n p p A t t w G f & d o E S h t e n f r s m ; v l y & b n ; v m l y D w p c e l w G f a t m u a z m l y y g y & d T u r b i d i t y ( c o n t r o l ) i n d i c a t o r a c : z e A l a v ; t w G f w G f o E S h t r e l r s m ; y g v m r n l u h w l e r n f / x l b l h & m y g v m v u f z e A l a v ; t w G f w G f o r y g v m a p b l t e n f t r e l r s m ; o m y g v m a t m i f v A m u l l v s m i j y e c e l y g /



yl« 12 »

4if Turbidity (control) indicator ac:zeA;av;t w6 f w6 f tenft r6f sm; ule66; ygu ti f si fu l; yv u l; yd ' kvd t q i h t a e j z i h o l t e n p p A t \ v l y a q m i t s u b j y m i f A m; u l R I N S E v l y a q m i t s u f w 6 f x m; y g / t i f s i f u l l j y e E l i r p u e l 30 c e l a r m i f a y; y g / l y d a e m u l y x r e n t w l t i f s i f u l A m u l j z n l n s i p o w i l y d z e A; a v; t w 6 f t e n f t r 6 f s m; y g ^ r y g x y r p p a q; y g / t e n f t r 6 f s m; r y g b l o h s m; o m y g v m y g u j y e l v n a q; a l u m j c i f l y d y g l y d p u f u l; y i r l v a & o e l k w l v l y p o u t w l l f y l u l u j y e l v n q u b 6 f y g / o l t e n p p A t E S h u m A e b a p p A t 2 c k v l y a q m i t s u b j y m i f A m; w l u l F I L T R A T I O N v l y a q m i t s u b l l j y e l v n a j y m i f v l r l v t w l l p p a q; l y d y g u a & o e l j y e l v n l x k w l v l y E l l y g o n l

j y e l v n a q; a l u m j c i f a & o e l t c u f t c b n f i t c g r o e p i & a o; o n h a & u e f a & E S l y i f a q; a l u m j c i f j y E l l y g o n l , i f o l u e a & E S h j y e l v n a q; a l u m j c i f j y k v l y f y x r t q i j z p b n h v l y a q m i t s u b j y m i f A m; u l B A C K W A S H v l y a q m i t s u f w 6 f x m; y g / t e n j z p a p a o m a q; A t E S h t e n p p n f a p a o m a q; A t w l l S a q; x n b x m; a o m j c i f u l l x k w l, l x m; l y d r s j y e l v n a q; a l u m j c i f j y l y g / p t c s u f s v l u s e a o m v l y a q m i t s u f s m; r 6 n a & o e E S a q; a l u m p o l u E S h x y l v y i f j z p b n l

' kvd t q i j z p b n h v l y a q m i t s u b j y m i f A m; u l R I N S E v l y a q m i t s u f w 6 f x m; o n h t c g w 6 f l a q; A t r s m; t w 6 f o l a q; x n b x m; a o m j c i f r s m; j y e l v n x n b 6 f l y d r s q u l v u l i a & o e E S h a q; a l u m p o l u v l y i f a q m i f u l y g / t e n r s m; z e A; t w 6 f w 6 f u l e p i f y g u j y e l v n a q; a l u m j c i f v l y i e f l y d q l i r a & o e l j y e l v n l x k w l v l y E l l y g l y d

a & o e l j y e l v n l x k w l v l y o n h t c g o l t e n p p A t a y: & d M a n o m e t e r y & u & n \* w l u l u n l y g / e \* l i v y & u & n 2.0 b m; r s o b m p 6 n a v s m l u s o f i; o n f u l l a w l r n l

7/ u m A e b a p p A t u l l j y e l v n a q; a l u m j c i f

t u, l i a q; t w a & f c s, h l r a u m i f c l v l y f ( o l l a & f c s, h l u l a o c s m p 6 n v l y c l v l y f o l t e n p p A t o m r u u m A e b a p p A t y g t e n r s m; y d w l y d) y & u & n w u l v m E l l y g o n l u m A e b a p p A t \ M a n o m e t e r y & u & n \* w l v b n l 1.5 b m; t x j y v m y g u p u f u l t s u t s i f a y l y d u m A e b a p p A t j y e l v n a q; a l u m j c i f a q m i f u l r n l

a&oe&kw&v&fa&on&it&w&il&f& y&u&r&s&m&? a&q&x&n&A&t&r&s&m&? a&mp&y&u&e&d& m&r&s&m&? A&m&r&s&m&? v&ly&f& a&q&m&i&cs&ub&j&ym&i&f&A&m&r&s&m&; u&lt&v&t&w&il&f&x&m&;y&g&/ p&u&f&u&e&y&f&y&/ u&m&A&e&h&e&pp&A&t&\ v&ly&f&a&q&m&i&cs&ub&j&ym&i&f& A&m&; u&lt; BACKWASH v&ly&f&a&q&m&i&cs&ub&j&ym&i&f&y&g&/ o&lt&e&n&pp&A&t&\ v&ly&f&a&q&m&i&cs&ub&j&ym&i&f&A&m&; r&f&n& r&v&t&w&il&f& FILTRATION u&om&q&u&v&u&e&e&p&e&ap&e&r&n&/ u&m&A&e&h&e&pp&A&t&ay&:&e&e& t&e&h&e&m&i&f& y&u&qu&ac&gi&f&ol& t&e&h&e&m&i&f&u&qu&ac&gi&f&w&y&x&m&;a&om& v&n&ac&sm&i&f&u&u&u&u&f&y&g&/ , i&f&y&u&r&s& a&q&;a&l&u&m&a&r&s&m&; x&u&v&m&r&n&/ o&lt&e&n&pp&A&t& j&y&e&v&n&a&q&;a&l&u&m&ou&b&il&t&i&f&si&u&e&e&i& v&A&m&u&il& j&zn&f&n&f&f&p&h&w&i&f&y&g&/ u&m&A&e&h&e&pp&A&t&e&e&e& Turbidity (control) indicator ac: z&e&A&t&av&;t&w&il&f& u&m&A&e&f&t&r&e&r&s&m&;r&y&g&e& t&e&n&f&t&r&e&r&s&m&;o&my&g&v&mat&m&i&f& v&A&m&u&il& c&e&q&i&a&q&;a&l&u&m&y&g&/ t&e&n&f&t&r&e&r&s&m&; z&e&A&t&w&il&f& u&i&f&ip&i&ob&v&u&f& j&y&e&v&n&a&q&;a&l&u&m&j&ci&f& l&y&dy&g&ly&g&/ t&i&f&si&u&e&e&i&f&y&g&/ u&m&A&e&h&e&pp&A&t&\ v&ly&f&a&q&m&i&cs&ub&j&ym&i&f&A&m&; u&lt; FILTRATION v&ly&f&a&q&m&i&cs&ub&il& j&y&e&v&n&f& a&e&h&aj&ym&i&f& a&oe&f&y&e&v&n&f&x&w&v&f&on&f&it&cg& u&m&A&e&h&e&pp&A&t& ay:&e&e& Manometer y&u&e&e&w&u&il& l&u&n&f&y&g&/ e&e&e&v& y&u&e&e& 1.5 b&m&;r&s& o&b&mp&h& a&v&ms&us& o&h&;o&n&f&u&ll&aw&e&r&n&/

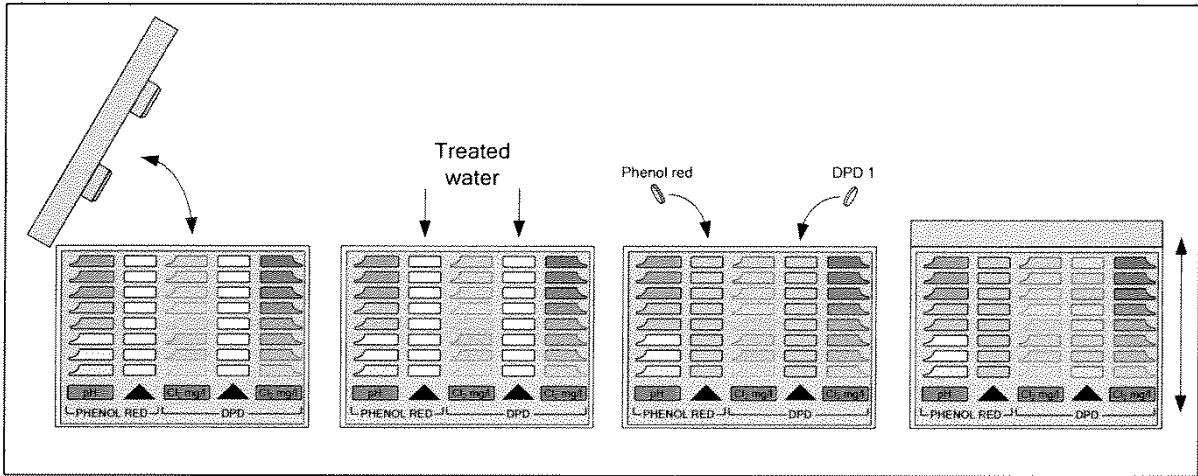
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- 1? u&v&e&i&f&y&g&oi&f&rl& (Cl<sub>2</sub>)
- 2? t&v&r&e&e& r&e&S&h&o&f&g&w&f&y&g&oi&f&rl& (Al and Fe)
- 3? pH w&e&il& (level)
- 4? a&a&e&m&u&f&u&f&l& (Turbidity) - p&on&f&w&u&il&p&p&a&q&;w&il&f&w&m&r&v&ob&m&;&r&n&/

8-1/ pH E&S&h&u&v&e&i&f& (Cl<sub>2</sub>) y&g&oi&f&rl&f&w&my&il&

a&t&m&u&az&m&f&y&g&y&g&/ pH E&S&h&u&v&e&i&f& (Cl<sub>2</sub>) y&g&oi&f&rl&f&w&mu&e&d& m\&A&t&E&S&f&it&zh&u&il&oe&pi&ly&g&/ a&e&S&h&a&oc&mp&h&a&q&;a&l&u&m&y&g&/ x&h&e&mu&f& 5 j&r&f&;j&y&x&m&;a&om& t&u&e&il&2& u&e&il&t&w&il&f&ol&oe&pi&ly&g&/ a&u&il&t&j&n&f&zn&ly&g&/ A&t&\&b&, l&u&j&cr&f& PHENOL RED [ l&a&;&x&m&;a&om&t&j&cr&f&e&e& j&zn&f&x&m&;a&om& a&e&t&w&il&f&ol&w&il&f&w&mu&e&d& m&E&S&f&it&w&l&w&f&y&g&v&ma&om& a&q&;j&ym&;x&ly&f&x&f&S& PHENOL RED [ l&a&;&x&m&; a&om&a&q&;j&ym&; 1 j&ym&;x&n&ly&g&/ A&t&\&n&b&u&j&cr&f& DPD [ l&a&;&x&m&;a&om&t&j&cr&f&e&e& j&zn&f&x&m&;a&om& a&e&t&w&il&f&ol&w&il&f&w&mu&e&d& m&E&S&f&it&w&l&w&f&y&g&v&ma&om& a&q&;j&ym&;x&ly&f&x&f&S& DPD No 1 [ l&a&;&x&m&;a&om& a&q&;j&ym&; 1j&ym&;x&n&ly&g&/ l&y&e&mu&A&t&zh&u&il&w&il&f& a&q&;j&ym&;r&s&; t&u&e&h&ay&sm&Di&ob&h&;o&n&f&t&x&v&f&ay&;y&g&/ a&q&;j&ym&;r&s&;v&h&O&ay&sm&Di&ob&h&;v&u&f& 4i&f&a&q&;a&ys&m&e&n&f&t&a&mi&E&S&h&ou&f&q&il&e&ma&b&;r&s& t&a&mi&f&r&s&;E&S&h& w&il&u&q&il&l&u&n&ly&g&/ t&a&mi&f&t&E&k&t&e&i&u&il&u&n&f&i& pH w&e&il&E&S&h&u&v&e&i&f& (Cl<sub>2</sub>) y&g&oi&f&rl&f&ym&P& u&e&f&\*P&e&f&w&u&il&r&e&f&q&w&il&f&w&mu&e&il&f&y&g&on&/ PHENOL RED a&q&;o&n&f& pH u&ly&r&n&f&z&p&il& DPD a&q&;o&n&f& u&v&e&i&f&y&g&oi&f&rl&f&ym&P&u&il& j&y&r&n&f&z&p&on&/ w&il&f&w&m&r&ly&p&dy&g&u& a&oe&f&z&i&e&a&q&;a&l&u&m&ly&dr&S& j&y&e&v&n&ob&f&f&q&n&f&y&g&/

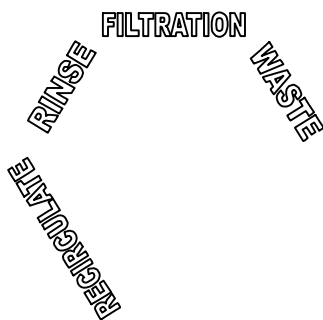


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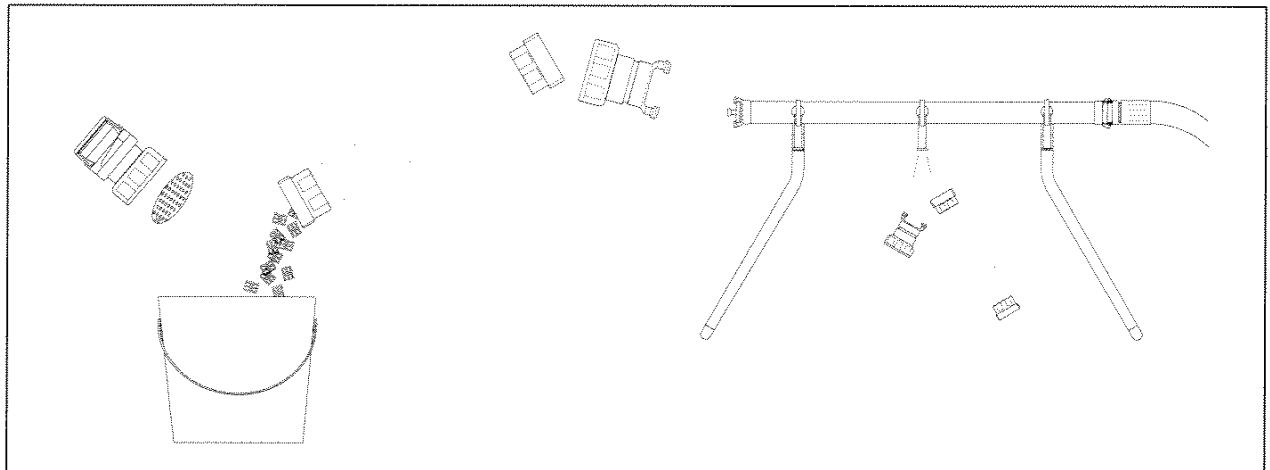
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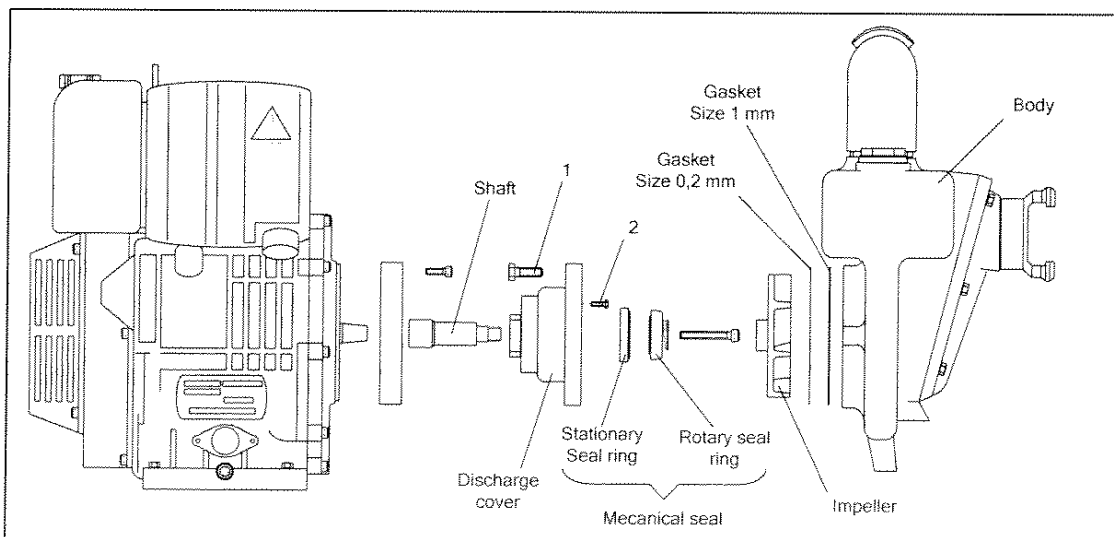
Model	Maxi cty <sup>1)</sup> m <sup>3</sup> /h	Diesel engine	Size L x l x H (m)	Weight <sup>2)</sup> kg
OX A1	15	6,8 HP – 3600 RPM	2,6 x 1,35 x 1,55	1 200
OX D1	20	6,8 HP – 3600 RPM	2,6 x 1,35 x 1,55	1 400

<sup>1)</sup> Maximum capacity depending on the physico-chemical features of the water to treat (turbidity, color, PH...).

<sup>2)</sup> Drained filters and units without optional accessories (supply ramps, water tanks...).

## yeñ rufu, ðu, bɔvayguŋu aqmi & ðef

- For the pump, this one doesn't have bearing (use of the engine bearing), the only wearing part is the mechanical seal. To replace it, to follow the following stages :
- To loosen the four motor-pump body screws (Rep.1) thanks to a 17 open-end wrench.
- To put off the gaskets (2 different thicknesses 0,2 mm and 1 mm).
- To unscrew the impeller (anticlockwise).
- To put off the rotary seal ring.
- To put off the discharge cover by unscrewing the four screws (Rep.2) thanks to a 13 open-end wrench.
- To get out the stationary seal ring.
- To put in the new stationary part taking care to clean the place and to grease slightly the gasket with alimentary silicone grease (or with soapy water) without putting any grease on the friction side.
- To put in the new rotary part by greasing the gasket (interior part) with the same grease that you used for the stationary part.
- Caution: do not touch with the fingers and do not scratch the mechanical seal friction sides.
- To put back the discharge cover by adding a drop of thread locker on each four screw thread (13 wrench).
- To screw the impeller handly going over one or two compressive strength.
- To put a 1 mm gasket on the discharge cover.
- To add a 0,2 mm gasket.
- To put the pump body and to fix it thanks to the four screws (17 wrench) and to tighten crosswise (to begin to screw in the following way : left, right, top, and bottom, then always in that way to tighten with equal strength the four screws without overtightening completely).
- To try to run the engine very slowly thanks to the rope.
- If there is no resistance (except the engine compression), the mechanical seals replacement is over.
- If you hear a scraping noise between the impeller and the body pump, to strip down the body and to add a 0,2 mm gasket. To tighten again and check the lack of scraping (to proceed like this up to obtain the less space between the impeller and the body).



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**Organoleptic parameters :**

Parameters	Units	WHO guide value
Colour	Mg/l platinum	15
Turbidity	Jackson unit	5
Smell - Flavour	-	-

**Physico-chemical parameters**

Parameters	Units	WHO guide value
Conductivity	µS/cm to 20°C	-
Temperature	°C	-
pH	Unit pH	6,5 to 8,5
Chlorides	mg/l (Cl)	250
Sulphates	mg/l (SO <sub>4</sub> )	400
Calcium	mg/l (Ca)	-
Magnesium	mg/l (Mg)	50
Sodium	mg/l (Na)	150
Potassium	mg/l (K)	12
Aluminium	mg/l (Al)	0,2
Dissolved Oxygen	Saturation %	-
Total hardness	°F	50
Dry residues	mg/l (to 180°C)	1000

**Parameters regarding undesirable matters :**

Parameters	Units	WHO value guide
Nitrates	mg/l (NO <sub>3</sub> )	50
Nitrites	mg/l (NO <sub>2</sub> )	3
Ammonium	mg/l (NH <sub>4</sub> )	-
Hydrogen sulphide	µg/l (S)	0,05
Dissolved Hydrocarbon	µg/l	-
Phenols	µg/l (C <sub>6</sub> H <sub>5</sub> OH)	-
Iron	µg/l (Fe)	300
Manganese	µg/l (Mn)	500
Copper	mg/l (Cu)	1
Zinc	mg/l (Zn)	3
Phosphate	mg/l (P <sub>2</sub> O <sub>5</sub> )	-
Fluorine	mg/l (F)	1,5

**Parameters regarding toxic substances :**

Parameters	Units	WHO guide value
Arsenic	µg/l (As)	10
Cadmium	µg/l (Cd)	3
Cyanides	µg/l (CN)	70
Total Chromium	µg/l (Cr)	50
Mercury	µg/l (Hg)	1
Nickel	µg/l (Ni)	20
Lead	µg/l (Pb)	10
Antimony	µg/l (Sb)	5
Selenium	mg/l (Se)	10

**Microbiological parameters**

Parameters	Units	WHO guide value
Total Coliform	N / 100 ml	0
Faecal Coliform	N / 100 ml	0
Faecal Streptococcus	N / 100 ml	0